

FIG. 4

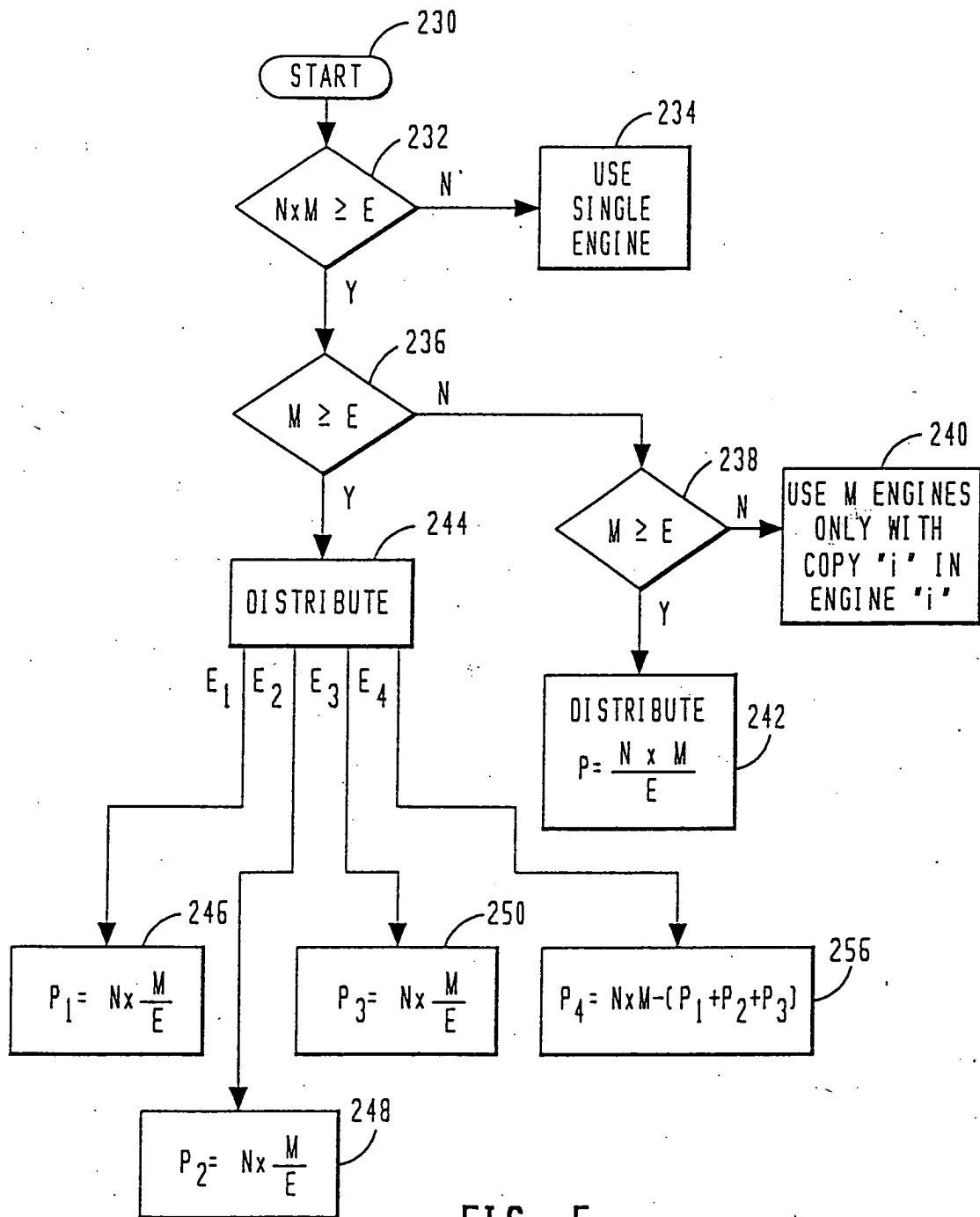


FIG. 5

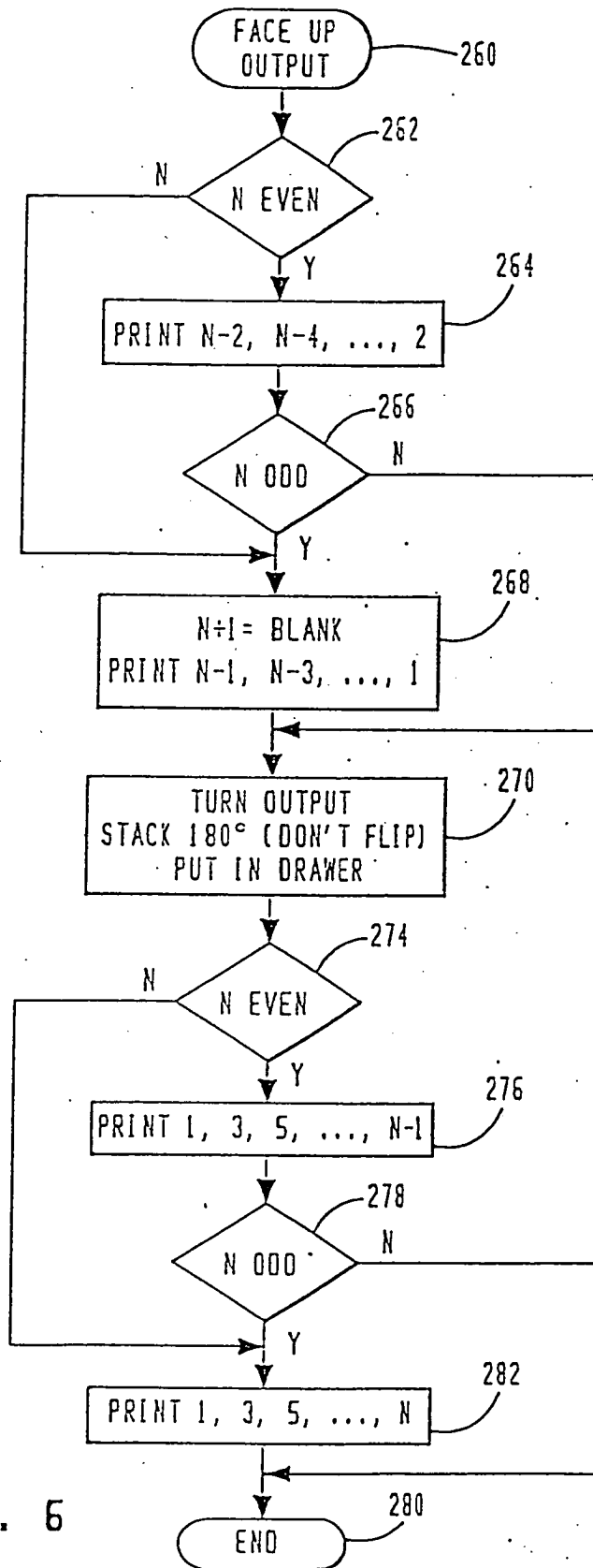


FIG. 6

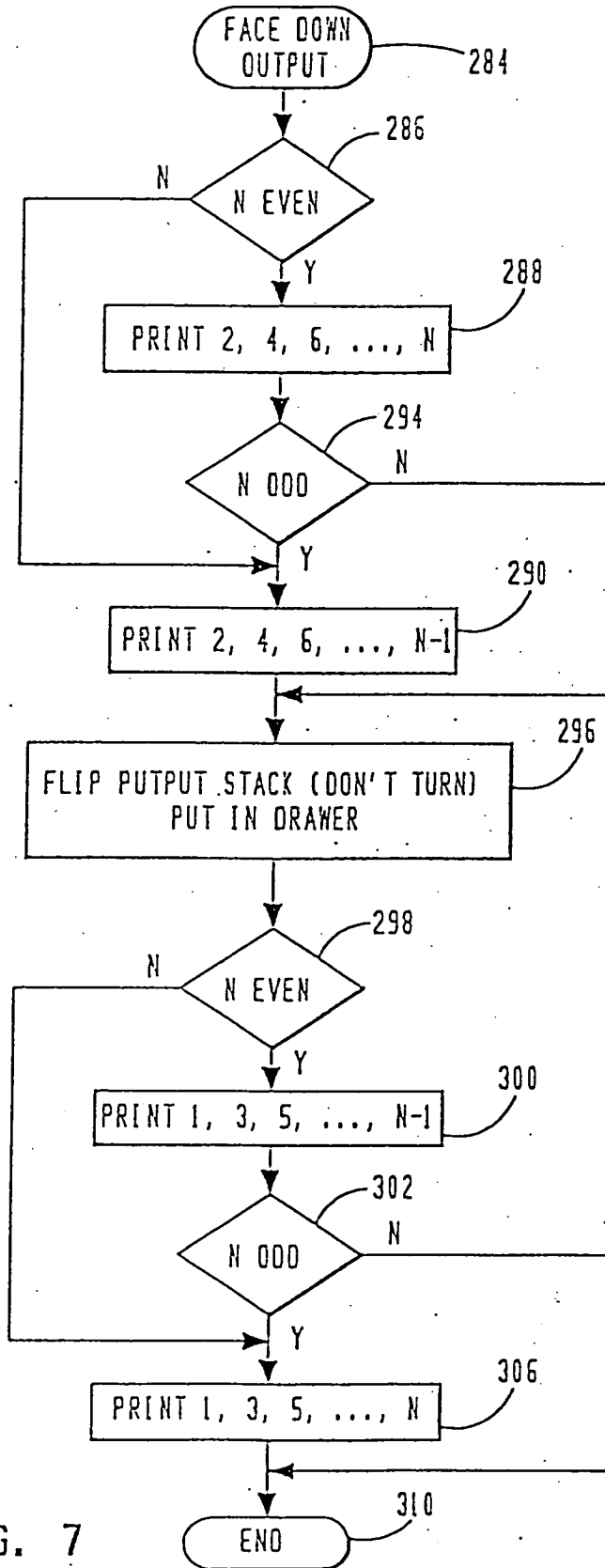


FIG. 7

Collation

2 4 2 2 5 2

Calher

Fig 5

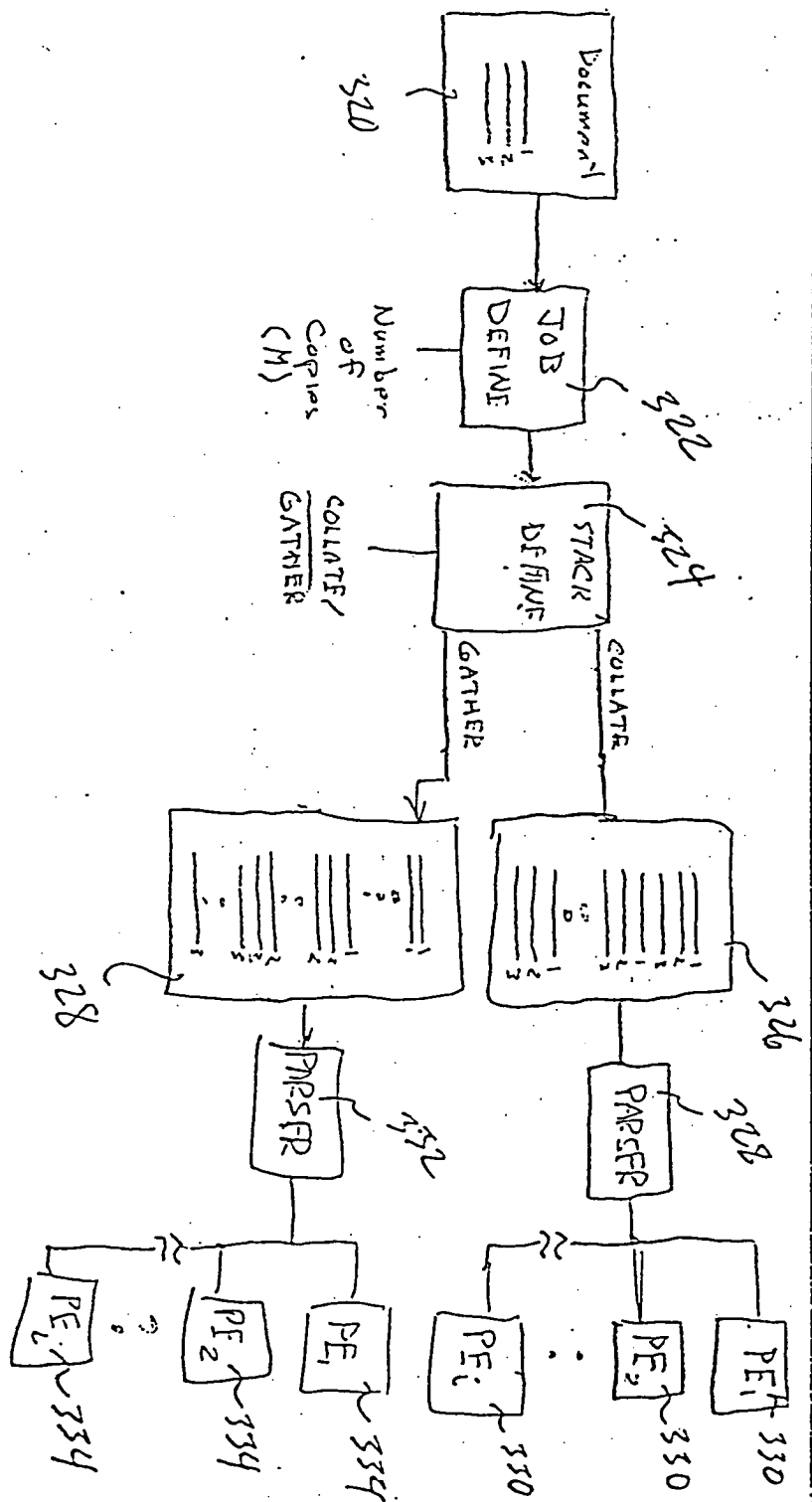
22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



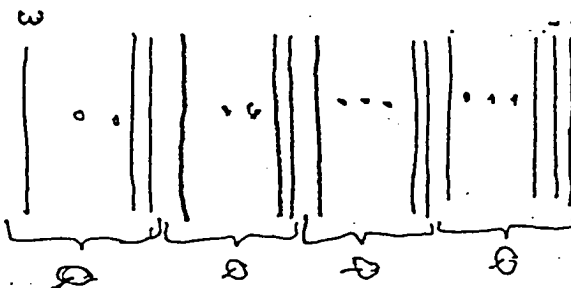


RECEIVED

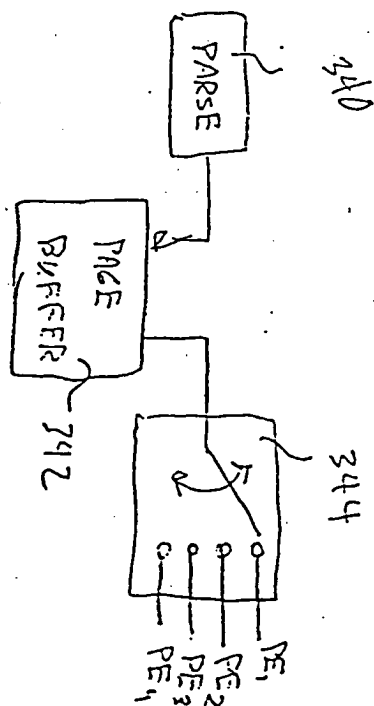
FIG 9



File 10



116E





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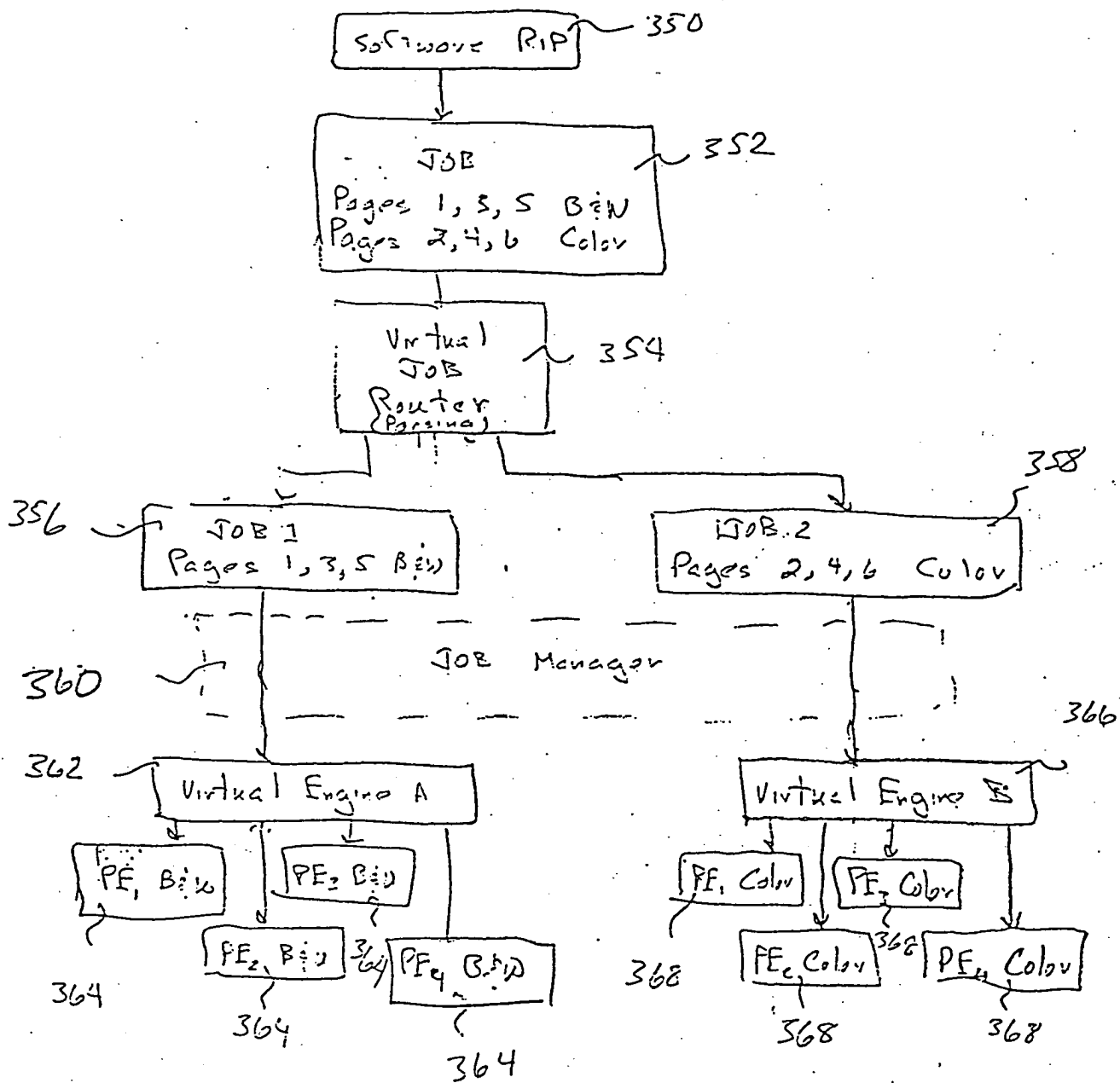


FIG 12

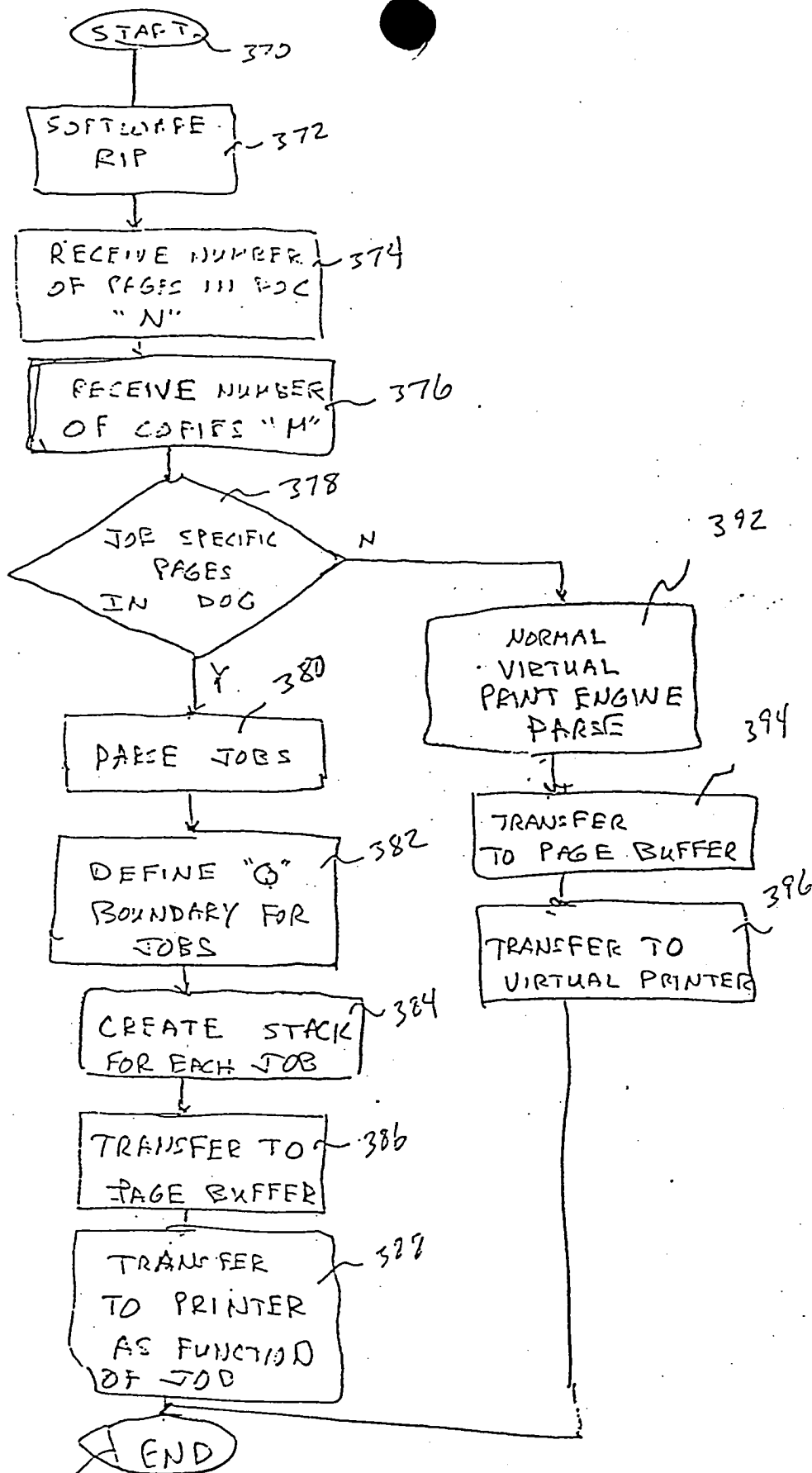


FIG 13

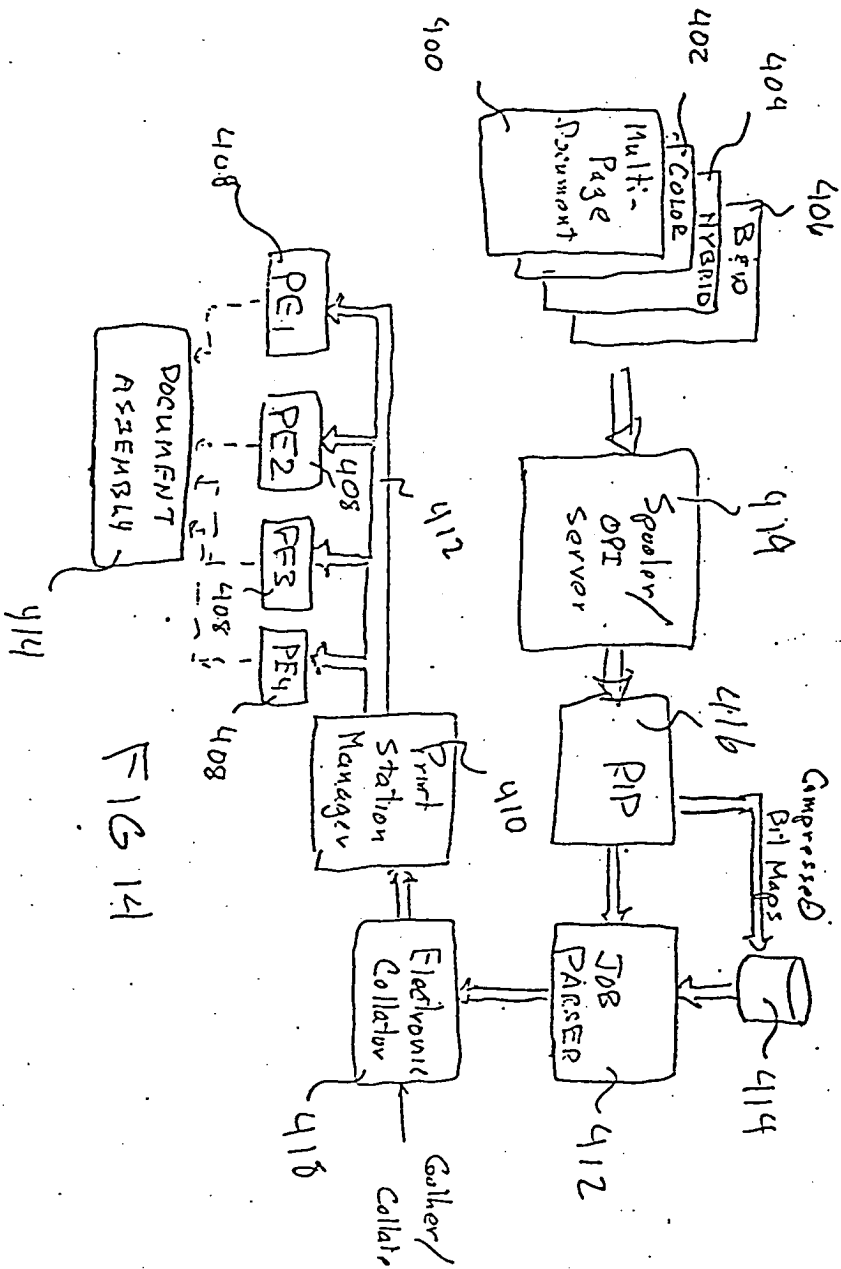


FIG 14



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

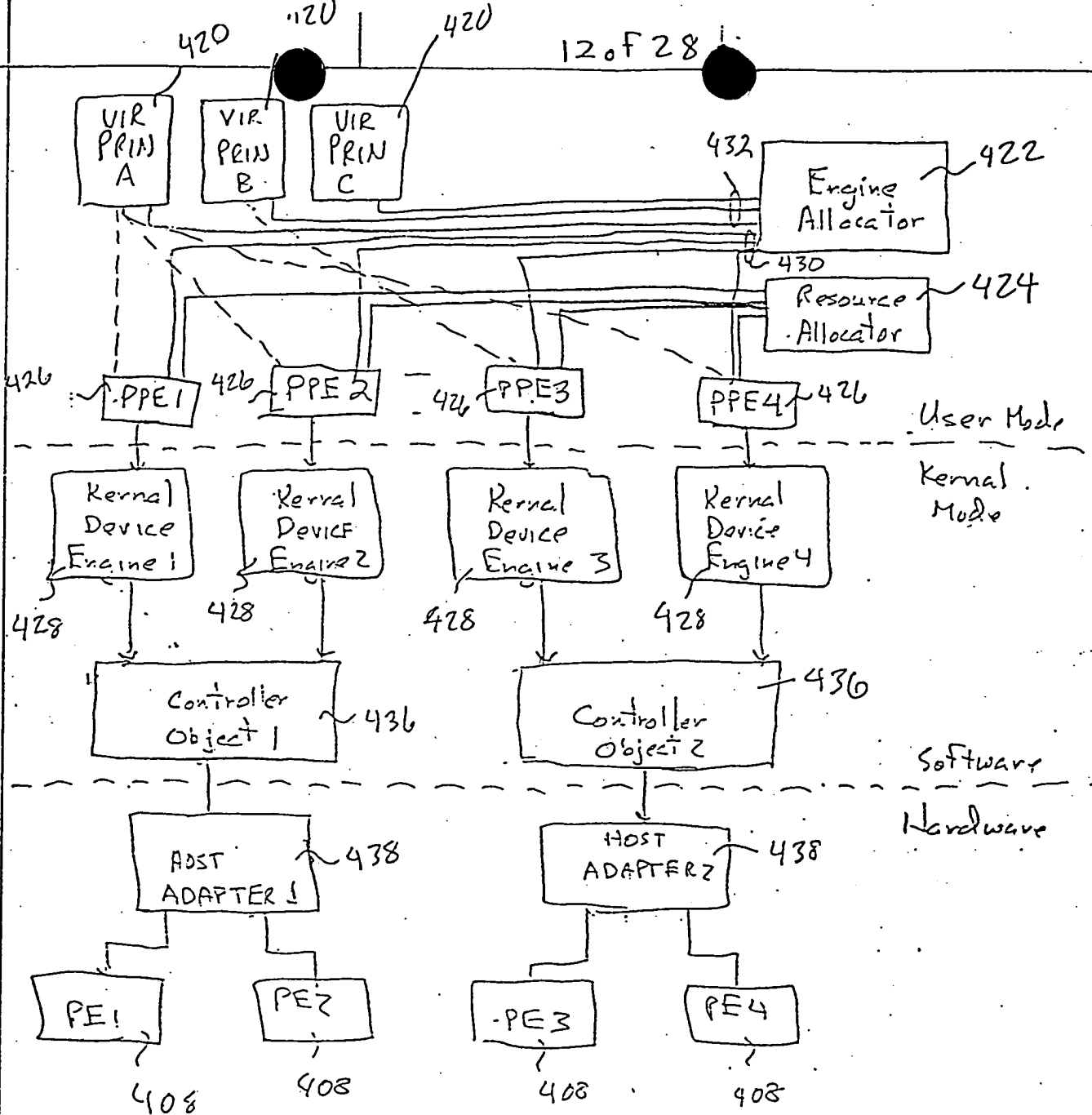


FIG 1.5

F1617



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

Engine Allocation 464

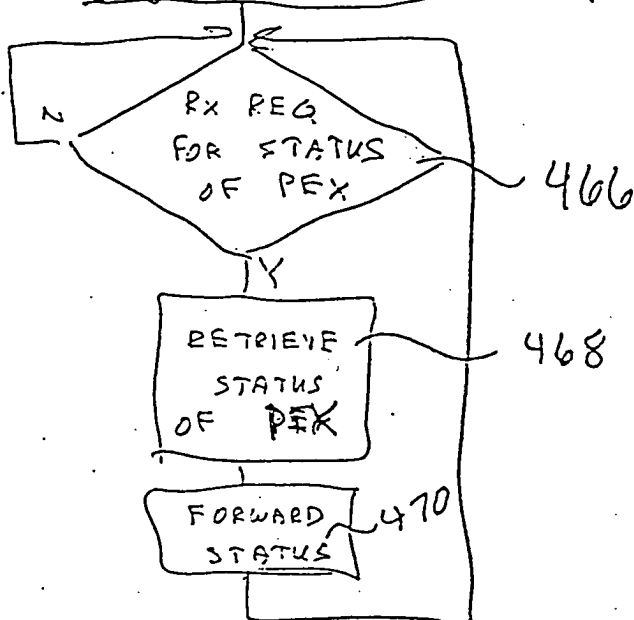


FIG 18

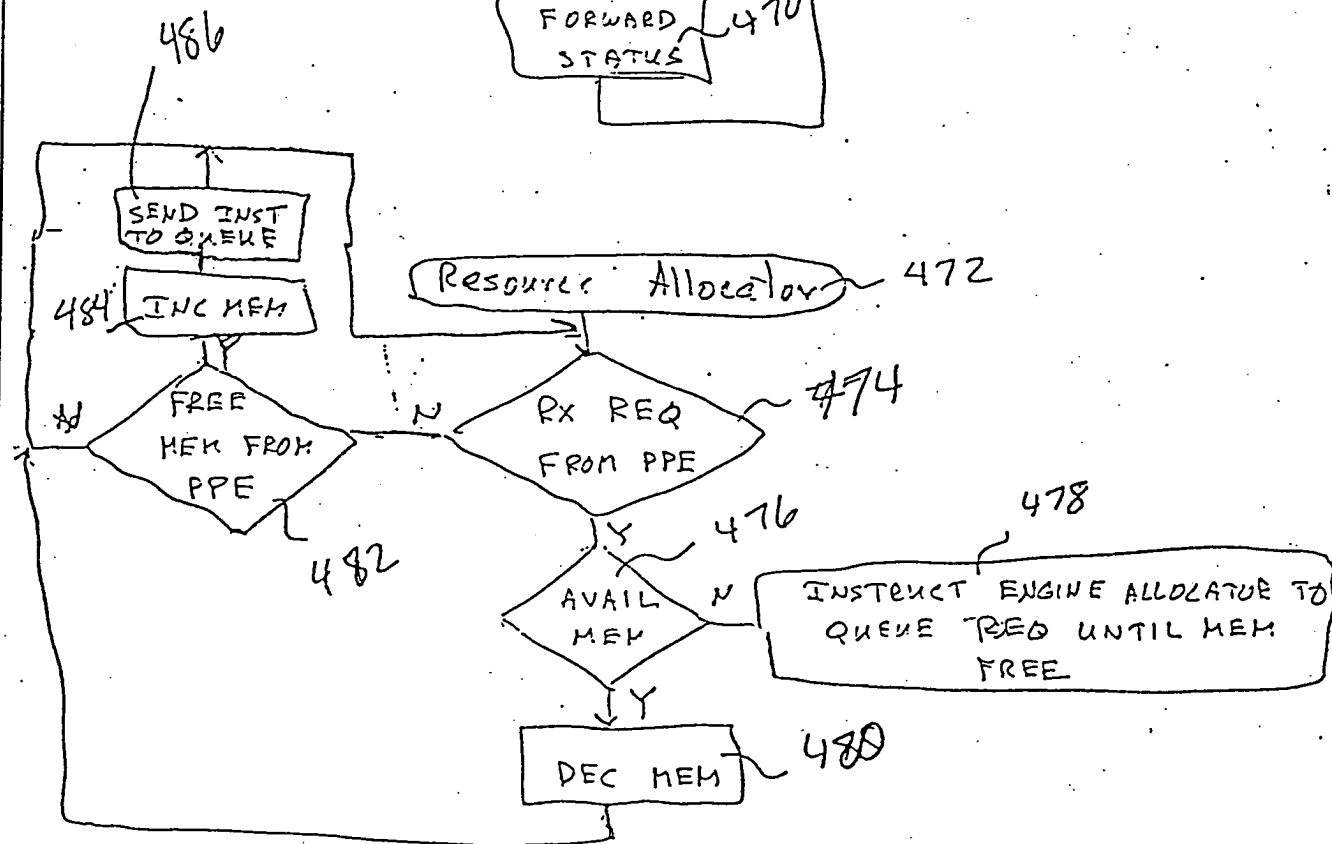
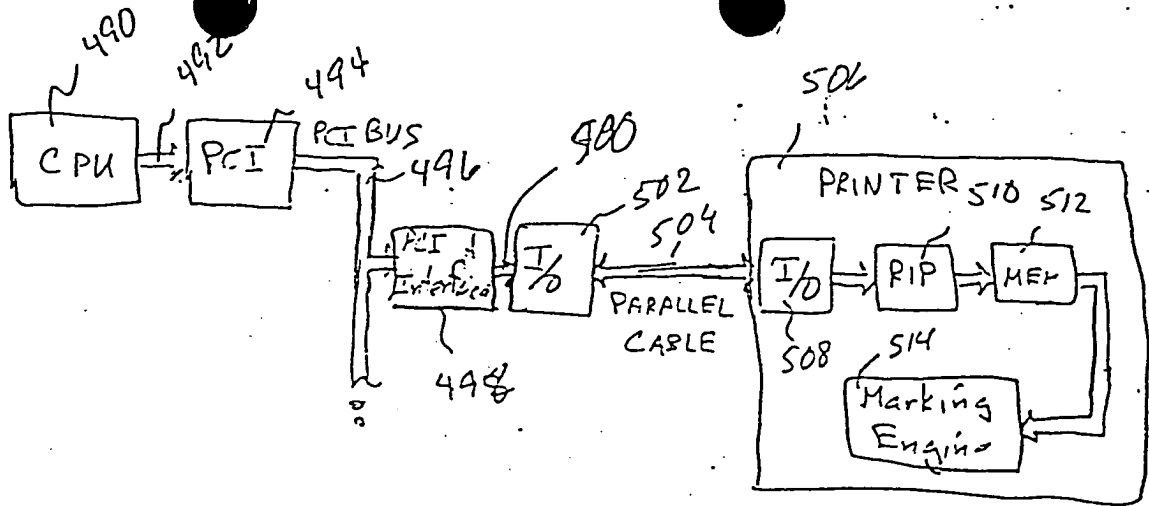
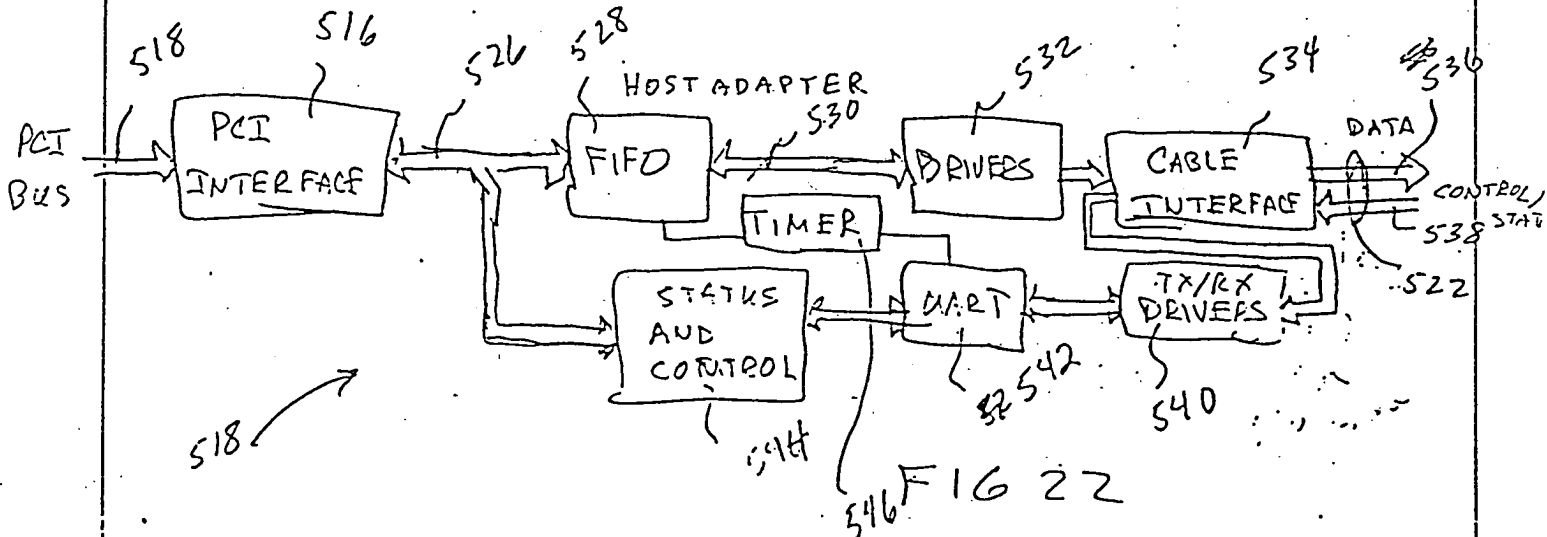
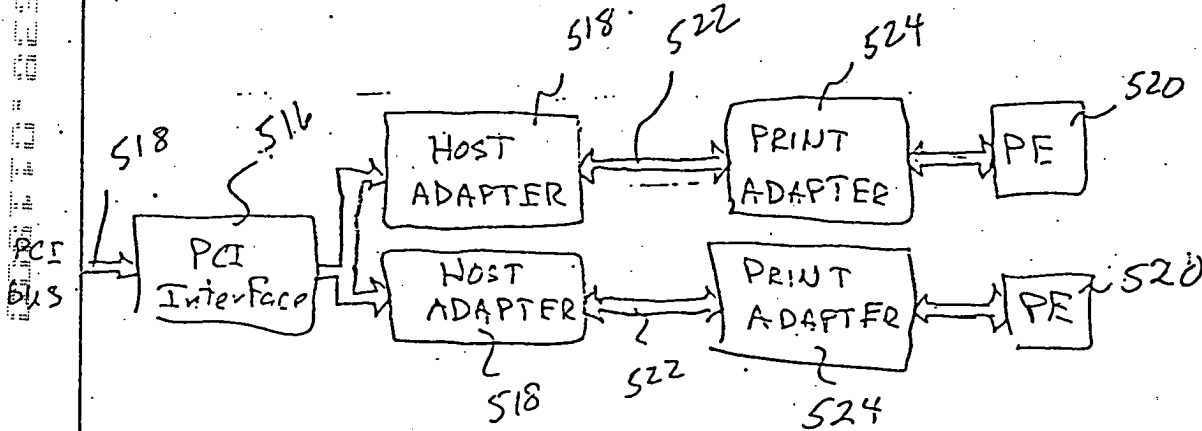


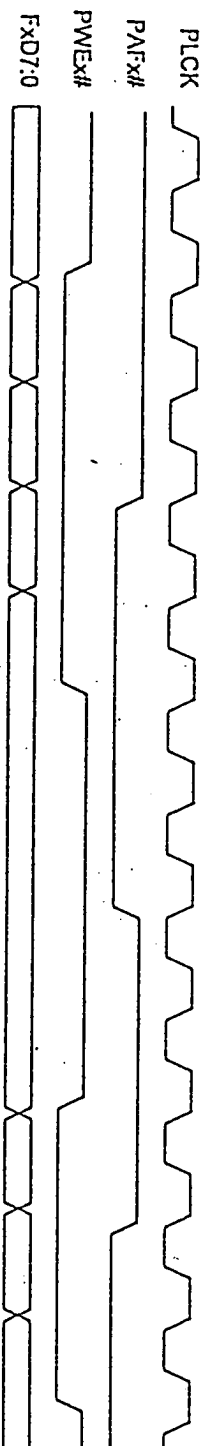
FIG 19



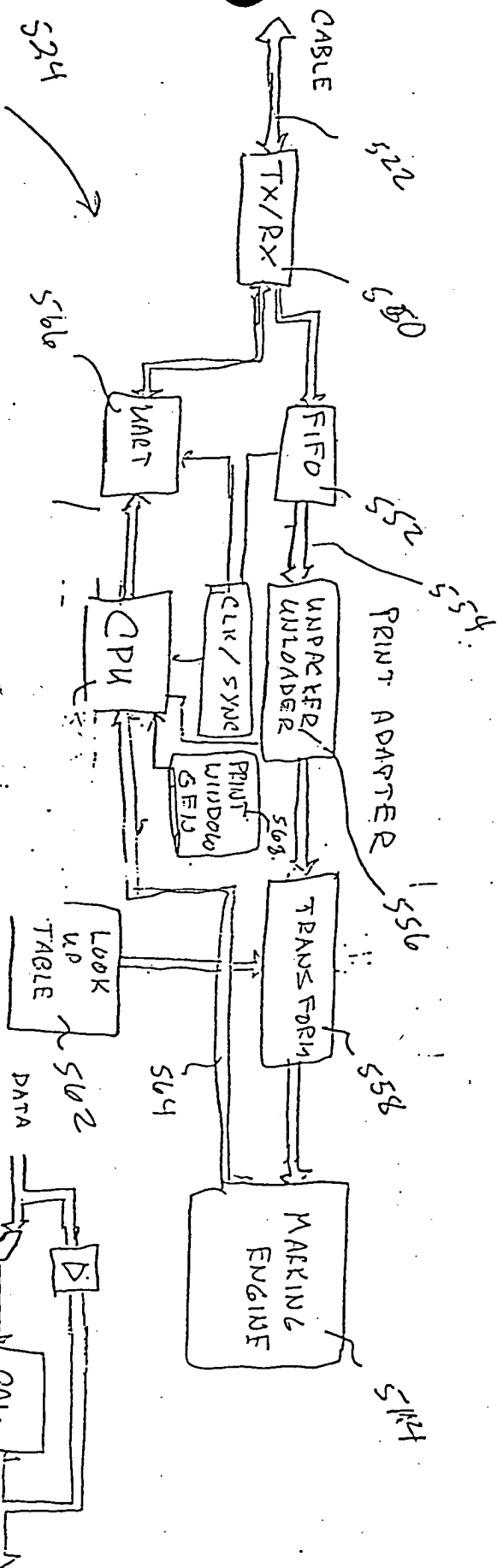
PRIOR ART

FIG 20





## HOST FIFO UNLOAD, PRINTER AF FLAG TOGGING



23  
7/6

7/6234

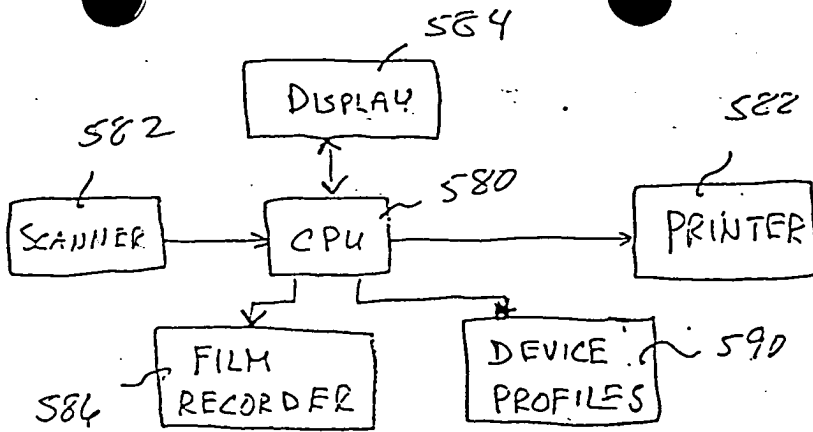
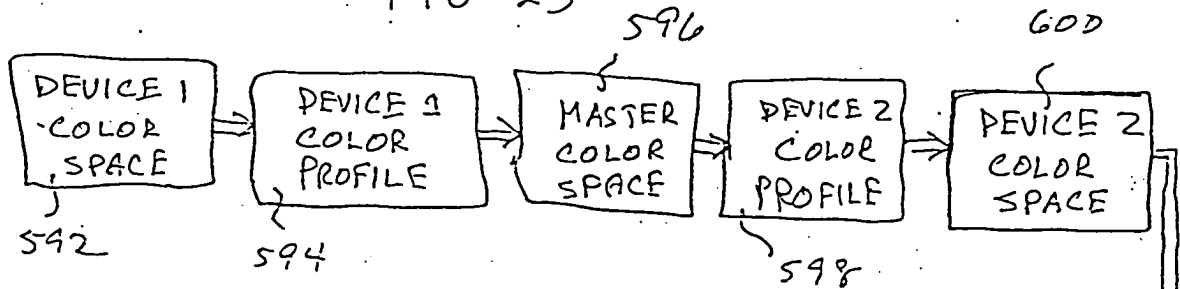


FIG 25 PRIOR ART



PRIOR ART

FIG 26

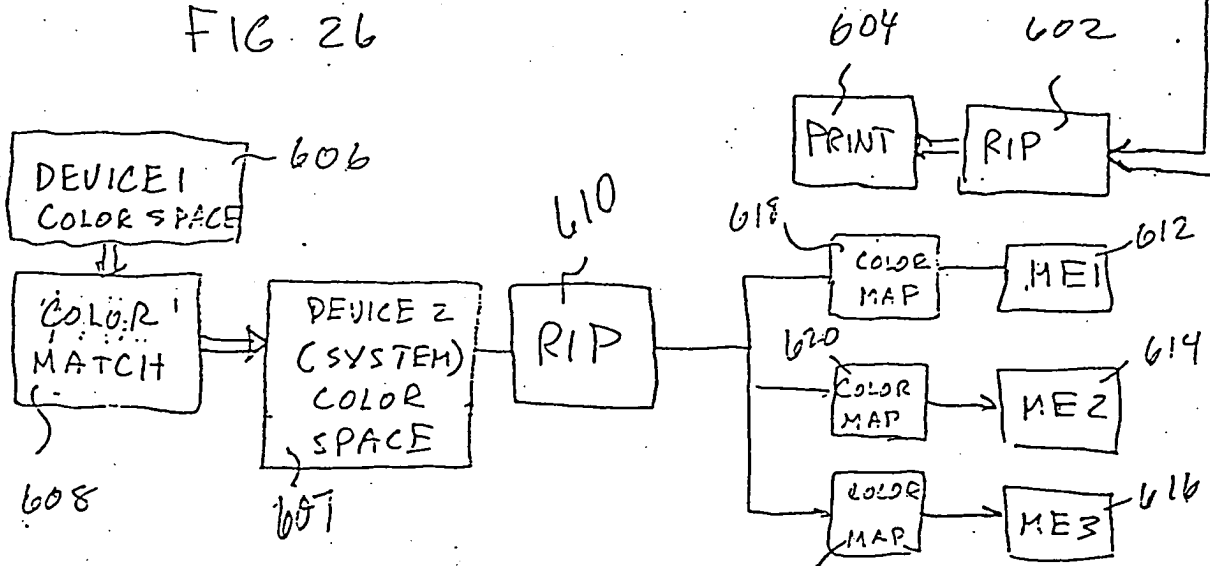


FIG 27

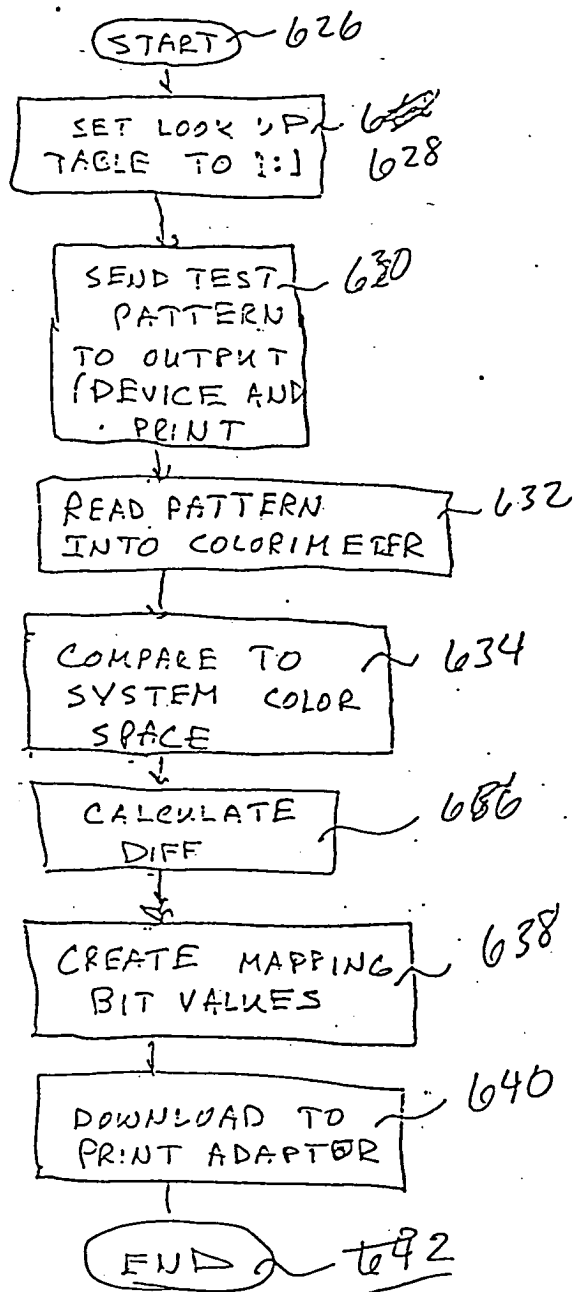


FIG 28

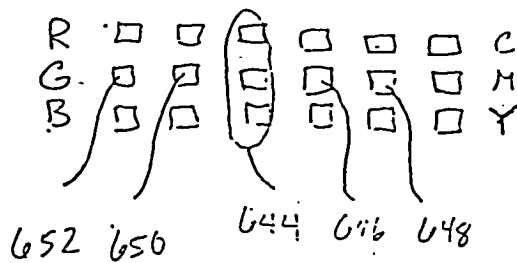


FIG 29

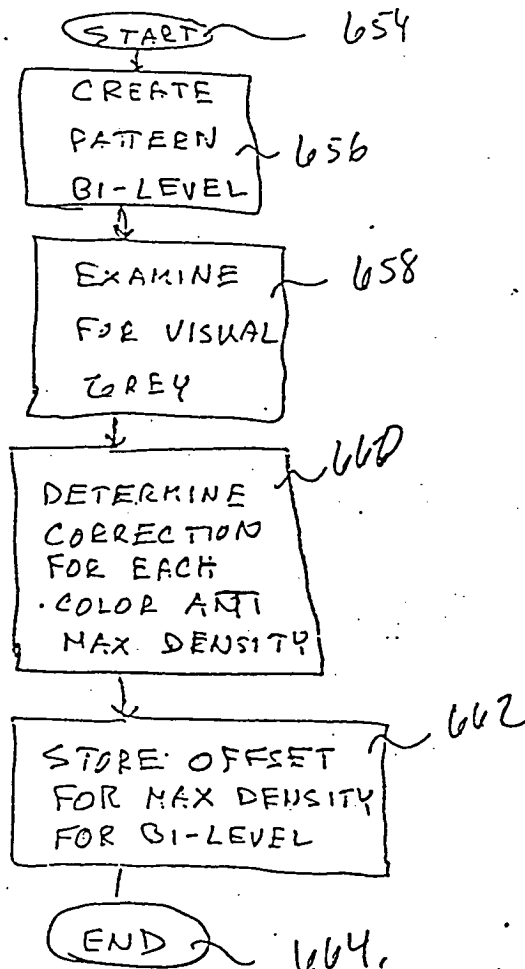


FIG 30

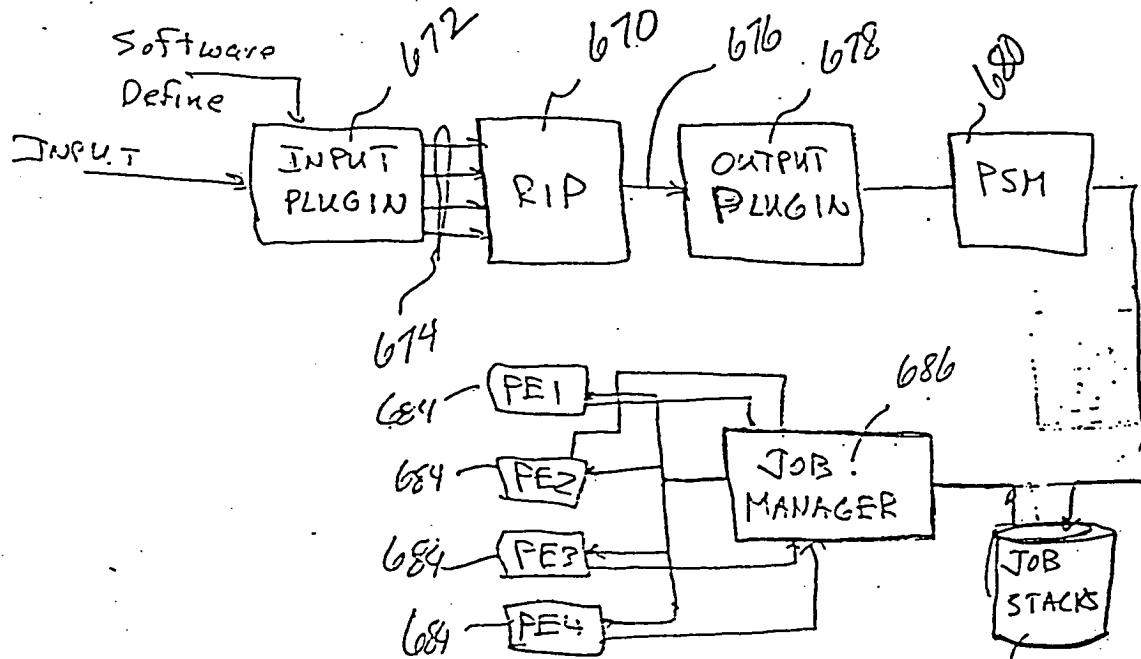


FIG 31



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

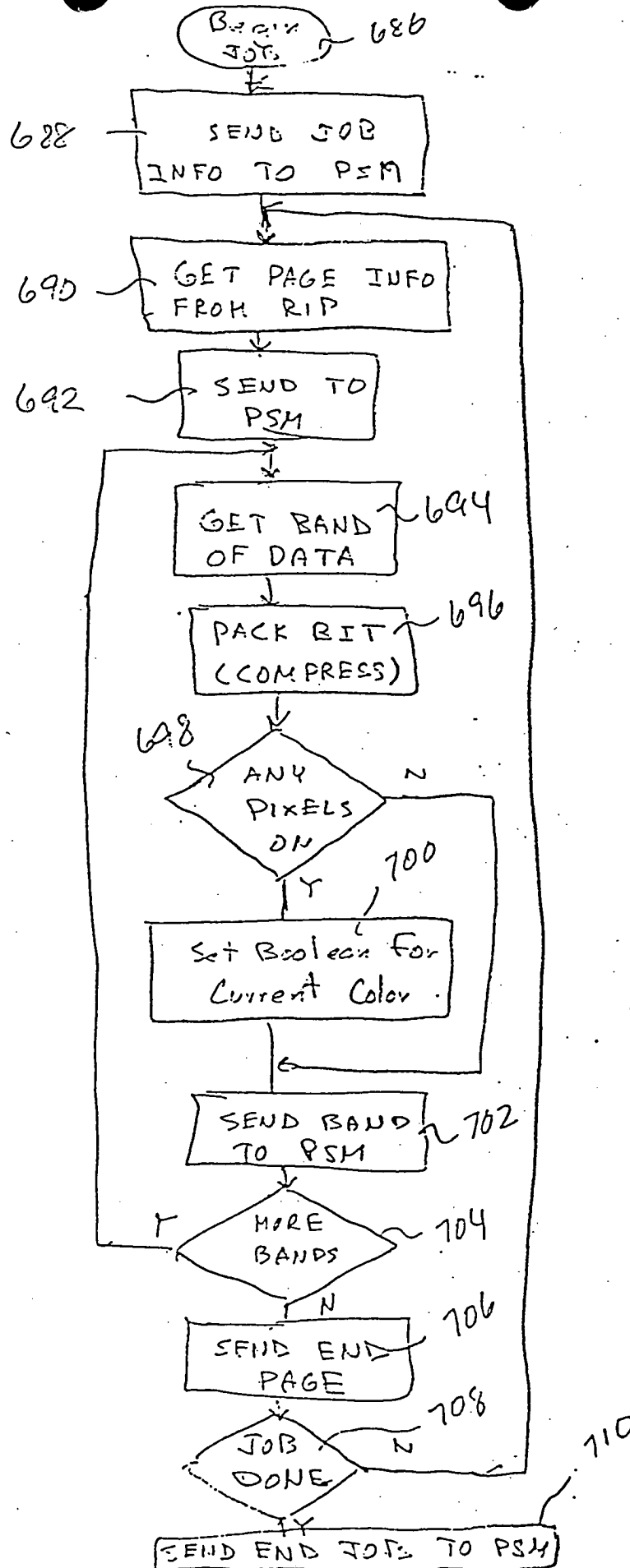


FIG 32

TONER CALCULATION

720

PRINT  
JOB  
INITIATED

N

722

724  
FETCH PAGE726  
ACCUMULATE  
VALUES OF PIXELS  
IN PAGE728  
DIVIDE ACC  
BY TOTAL #  
PIXELS730  
DEFINE AS  
% OF BLACK  
PAGE772  
CALCULATE  
TONER USED  
FOR PAGE782  
INC JOB TONER780  
LAST PAGE

782

784

784  
TONER TOT = TONER TOT - JOB TONER786  
TONER TOT < MIN

786

N

788

788  
PRINT JOB194  
END

792

792  
TONER TOT = TONER TOT +  
JOB TONER790  
SEND  
TONER  
LOW COMMAND

790

FIG 73

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

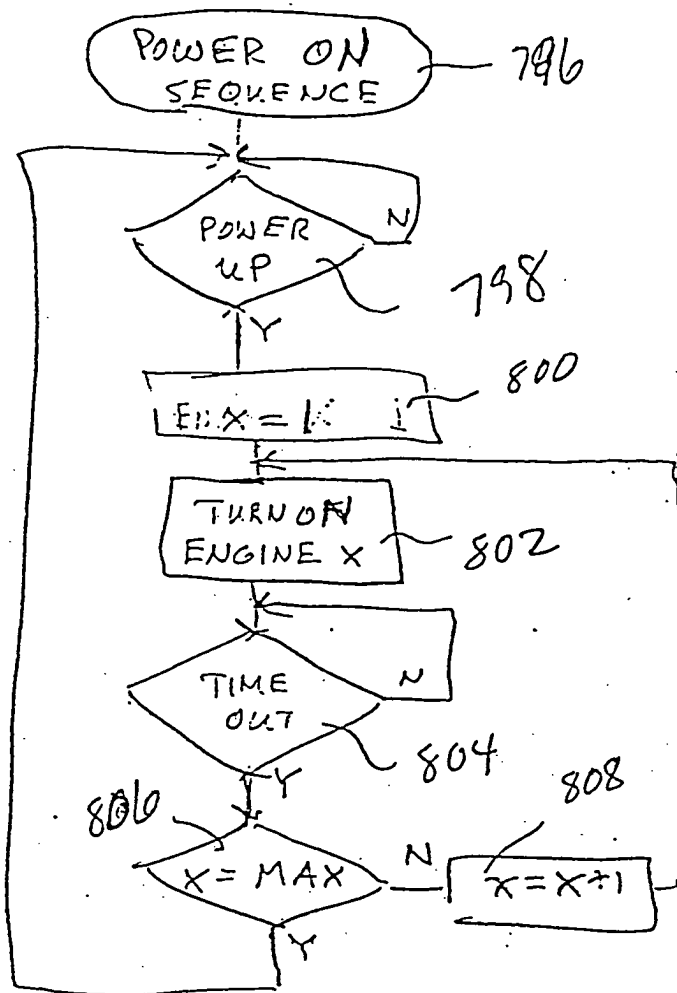


FIG 34

FIG 34

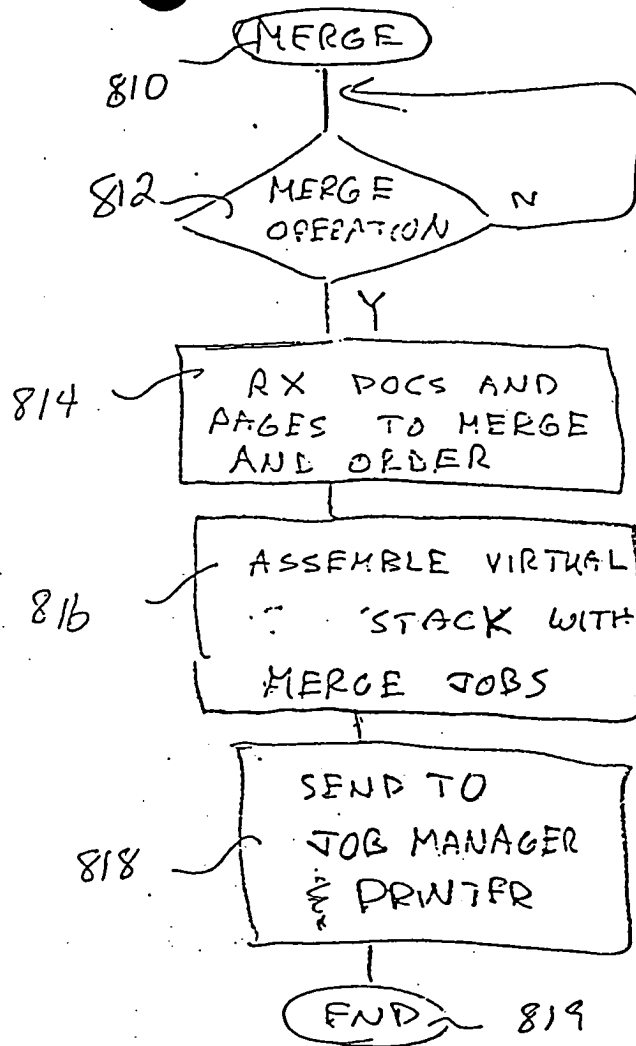


FIG 35





22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

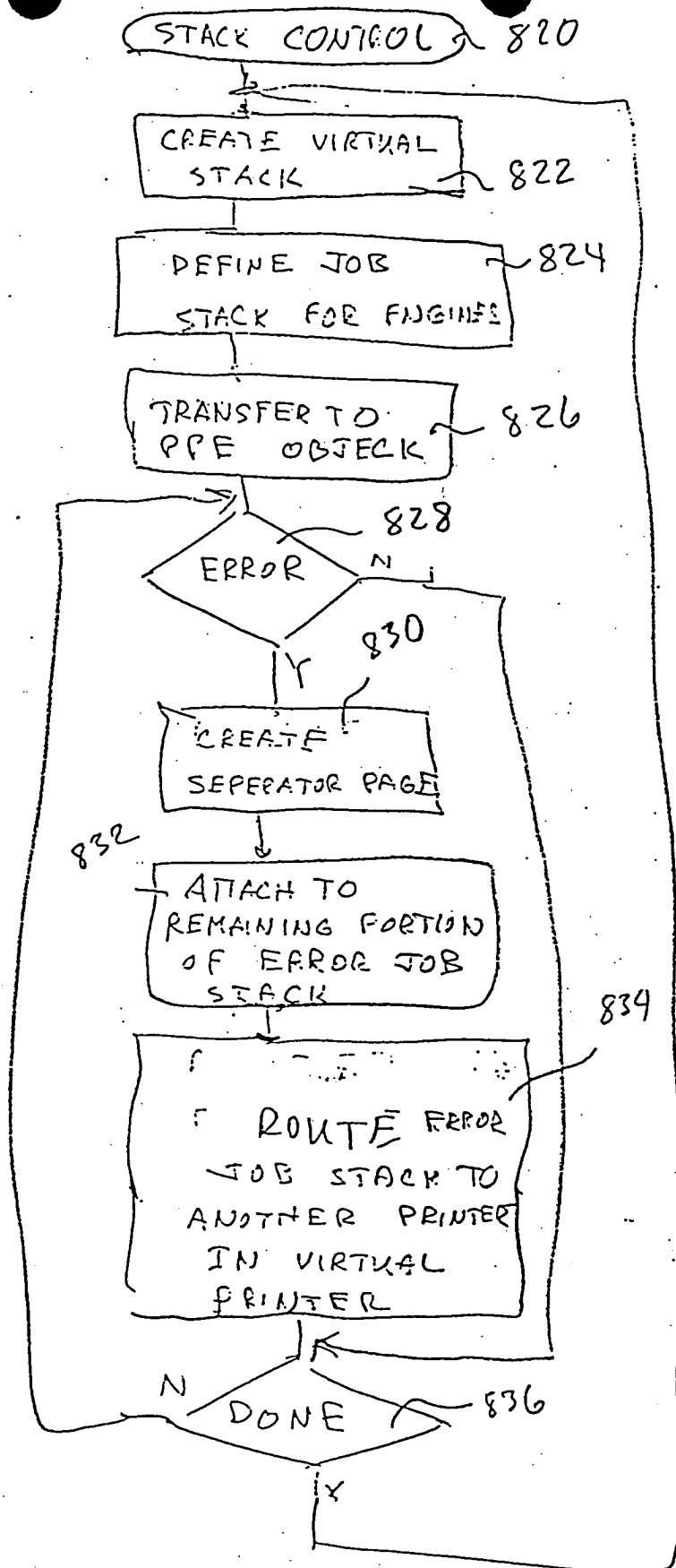


FIG 36



2025 RELEASE

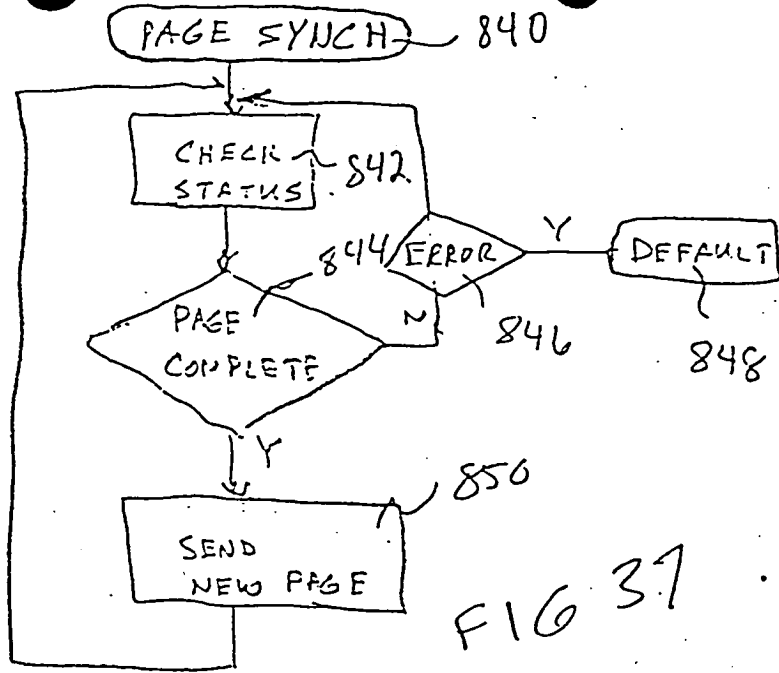


FIG 37

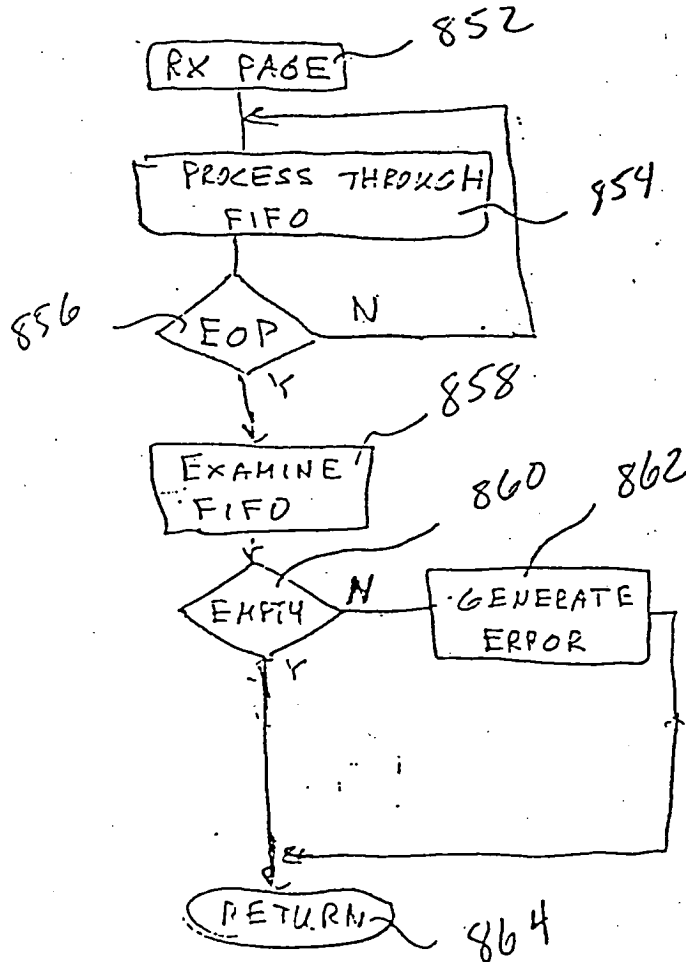
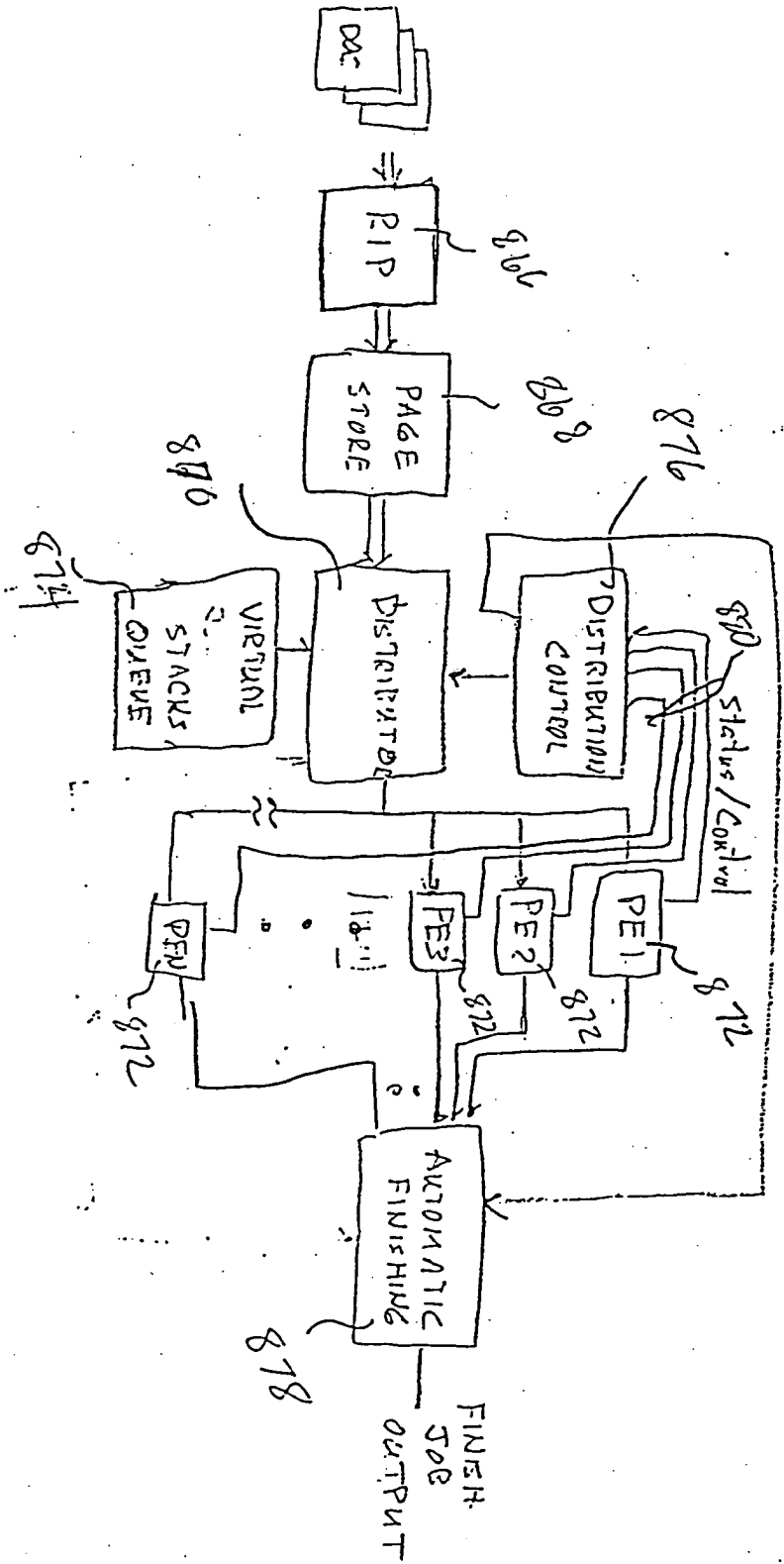


FIG 38



FIG. 39



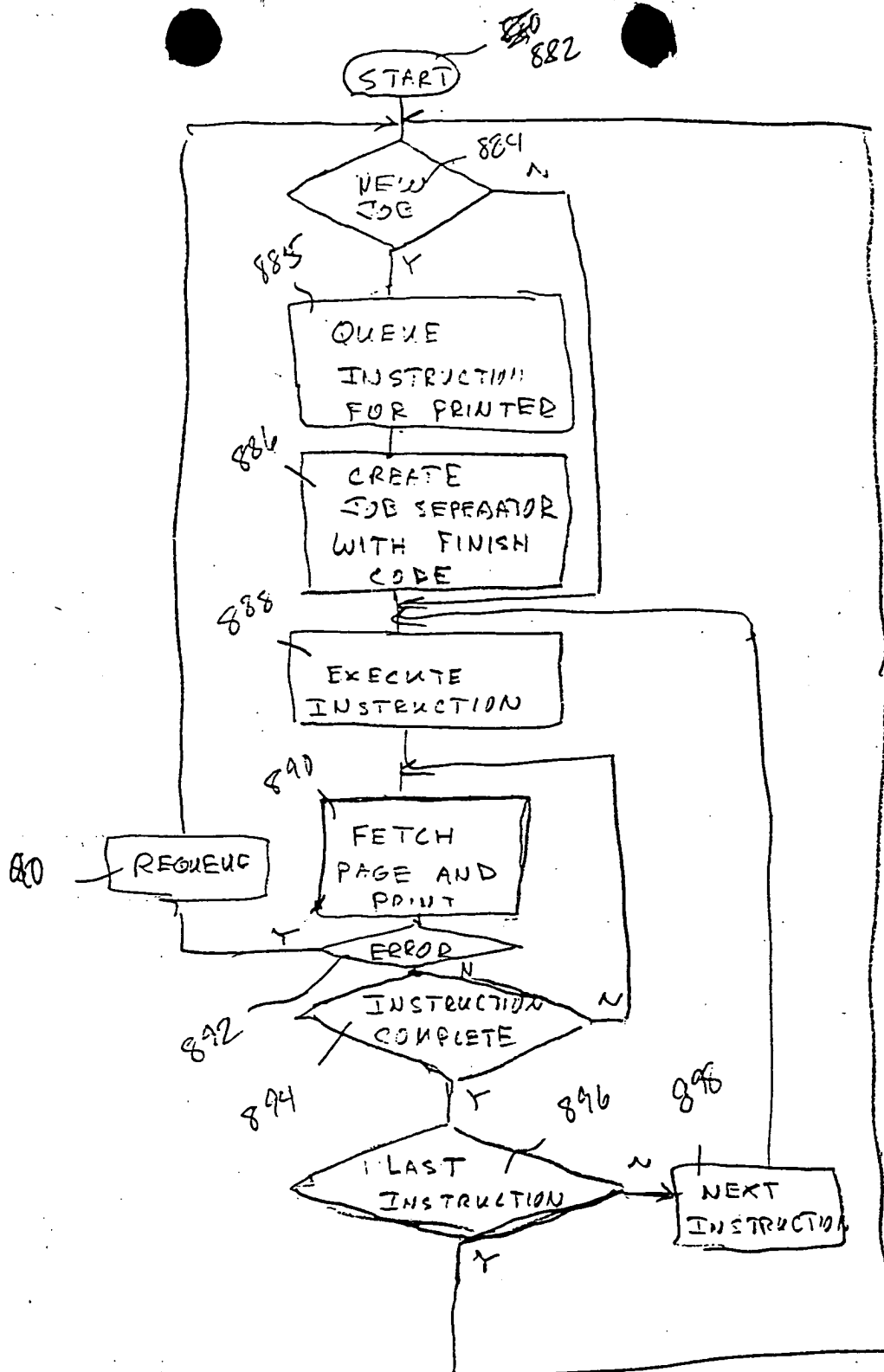
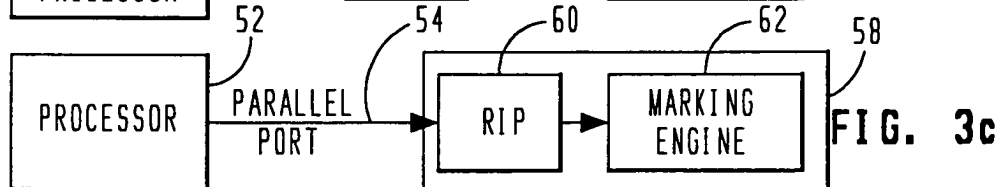
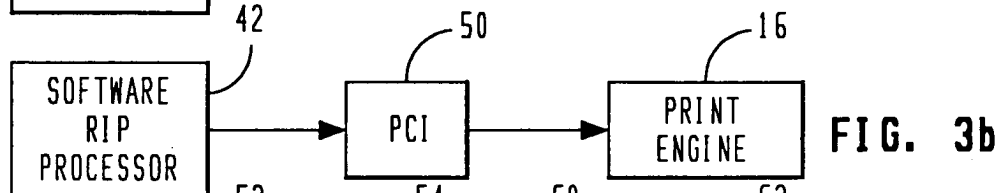
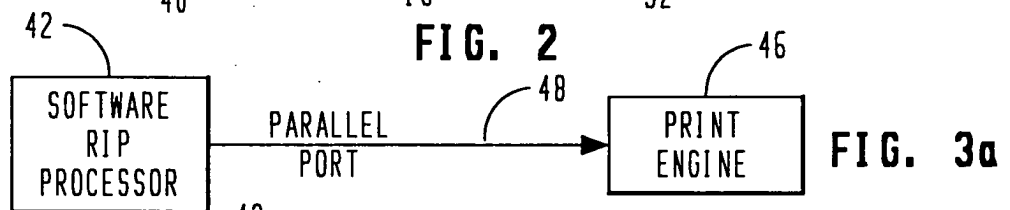
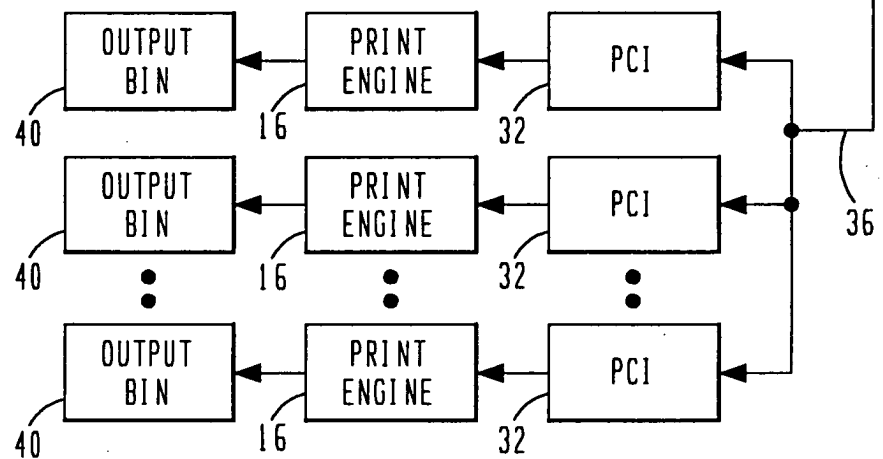
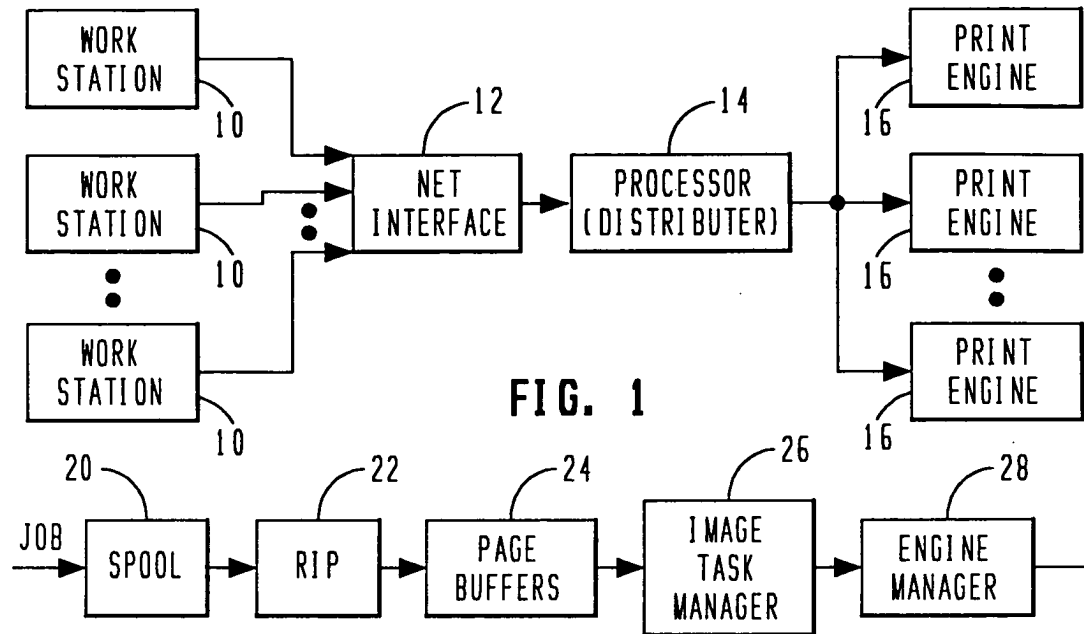


FIG 40





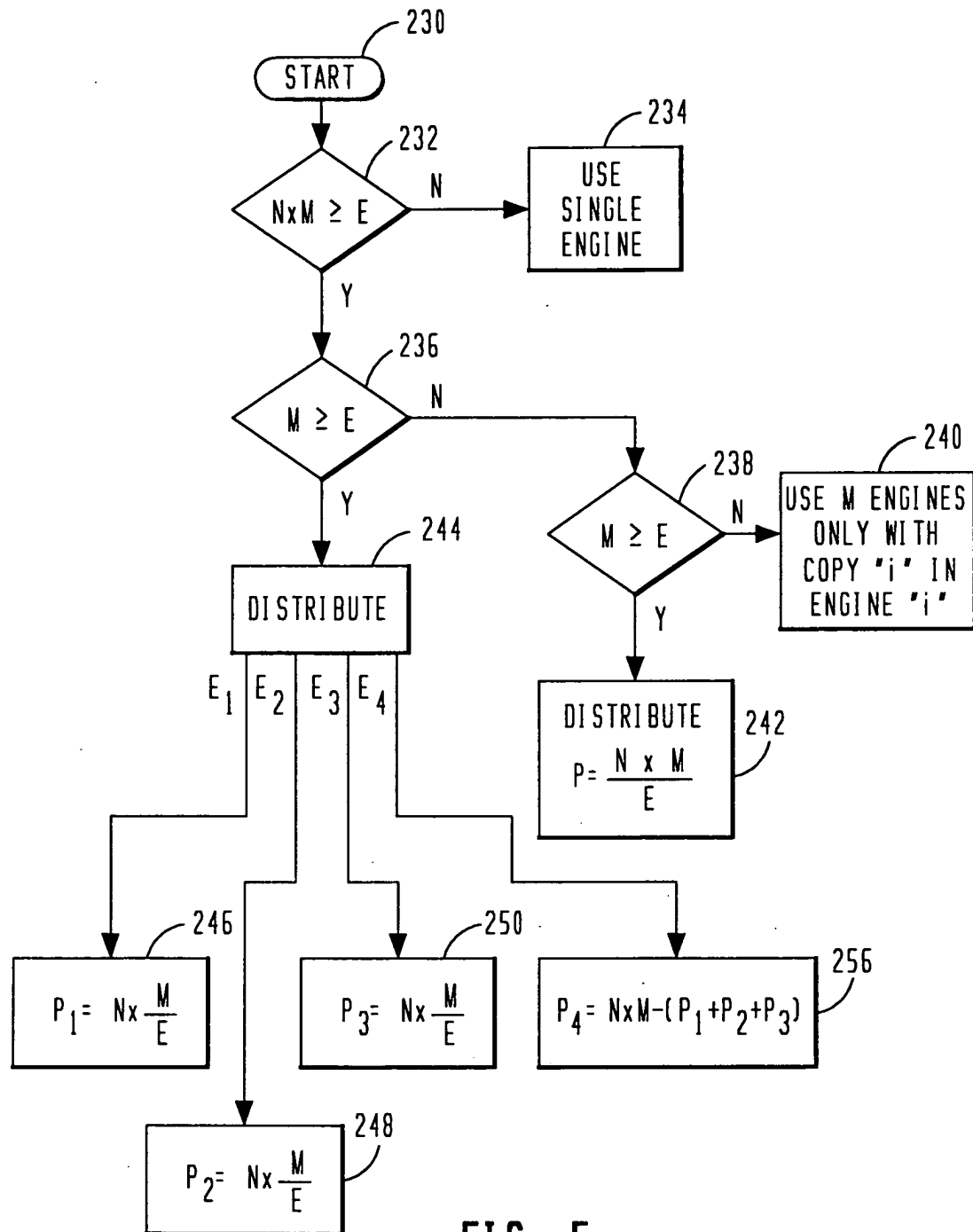


FIG. 5

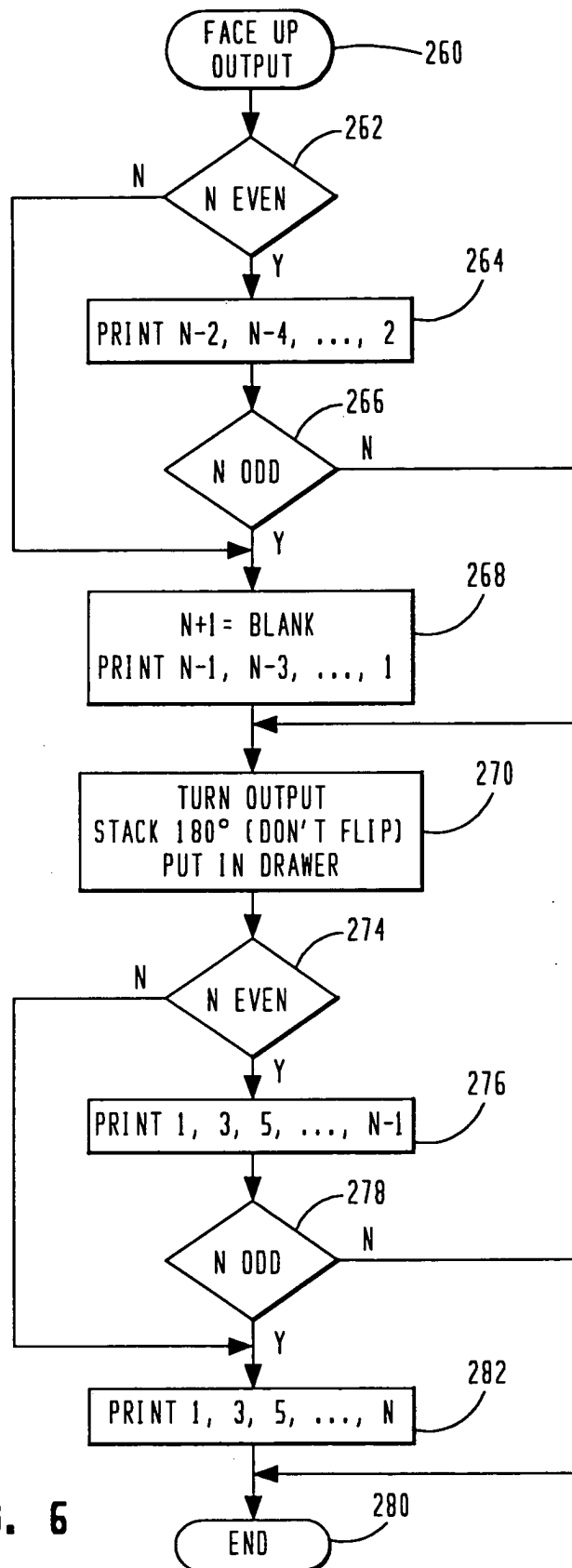


FIG. 6

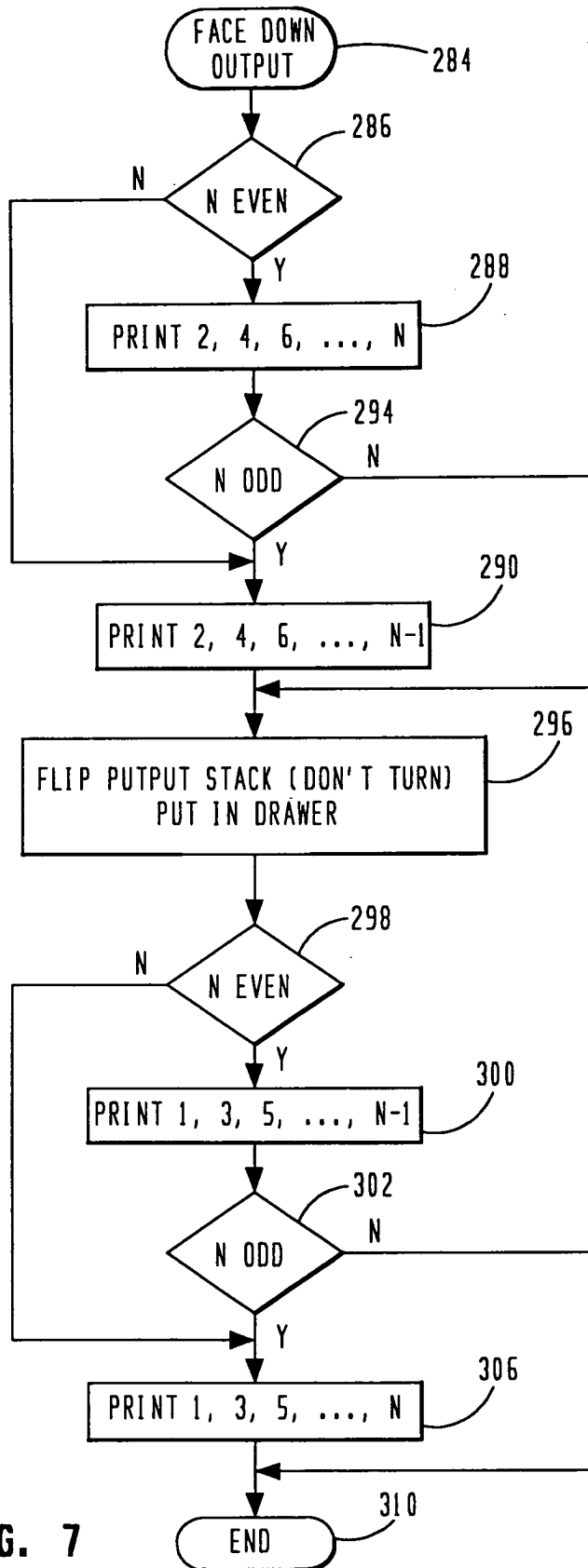


FIG. 7

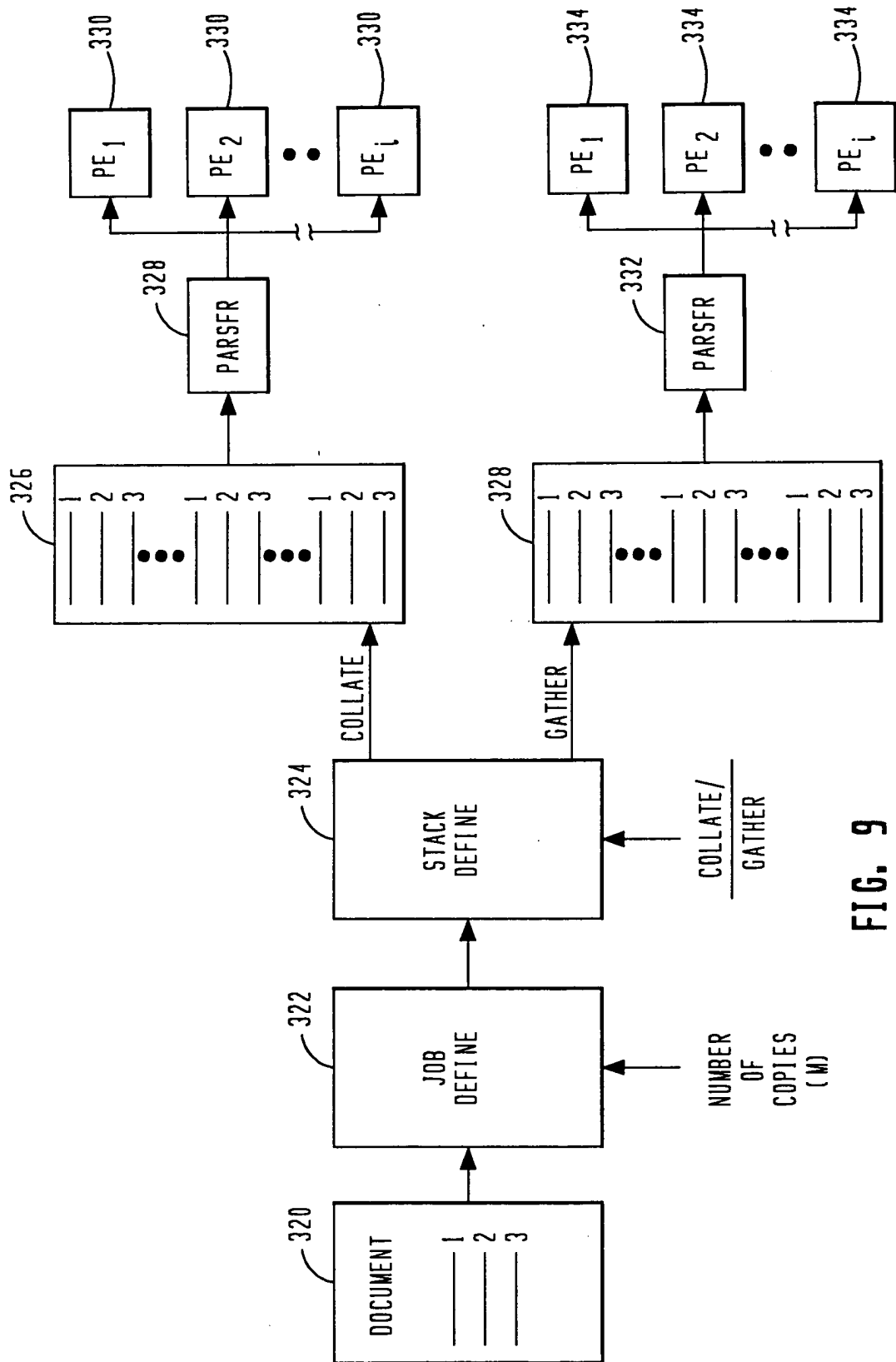
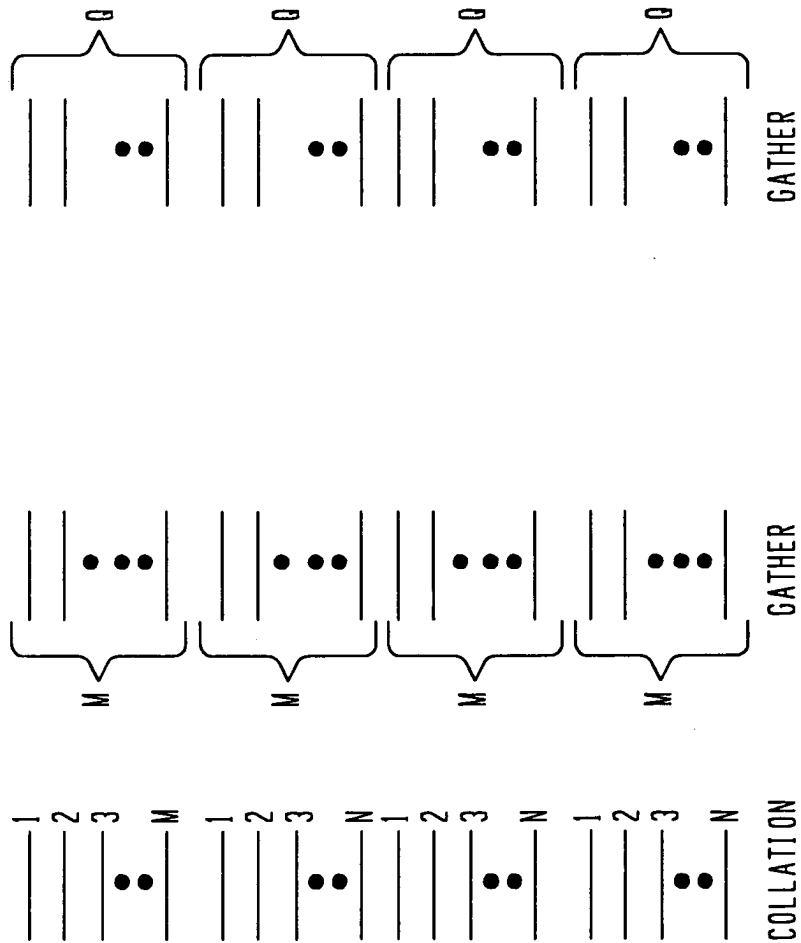
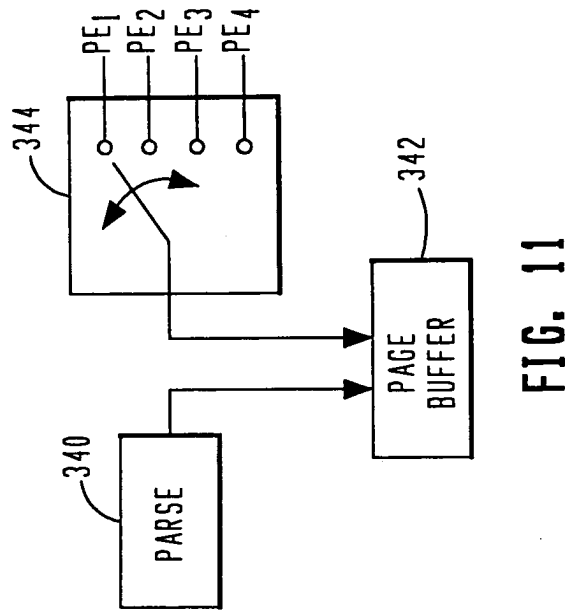


FIG. 9



**FIG. 8**



**FIG. 11**

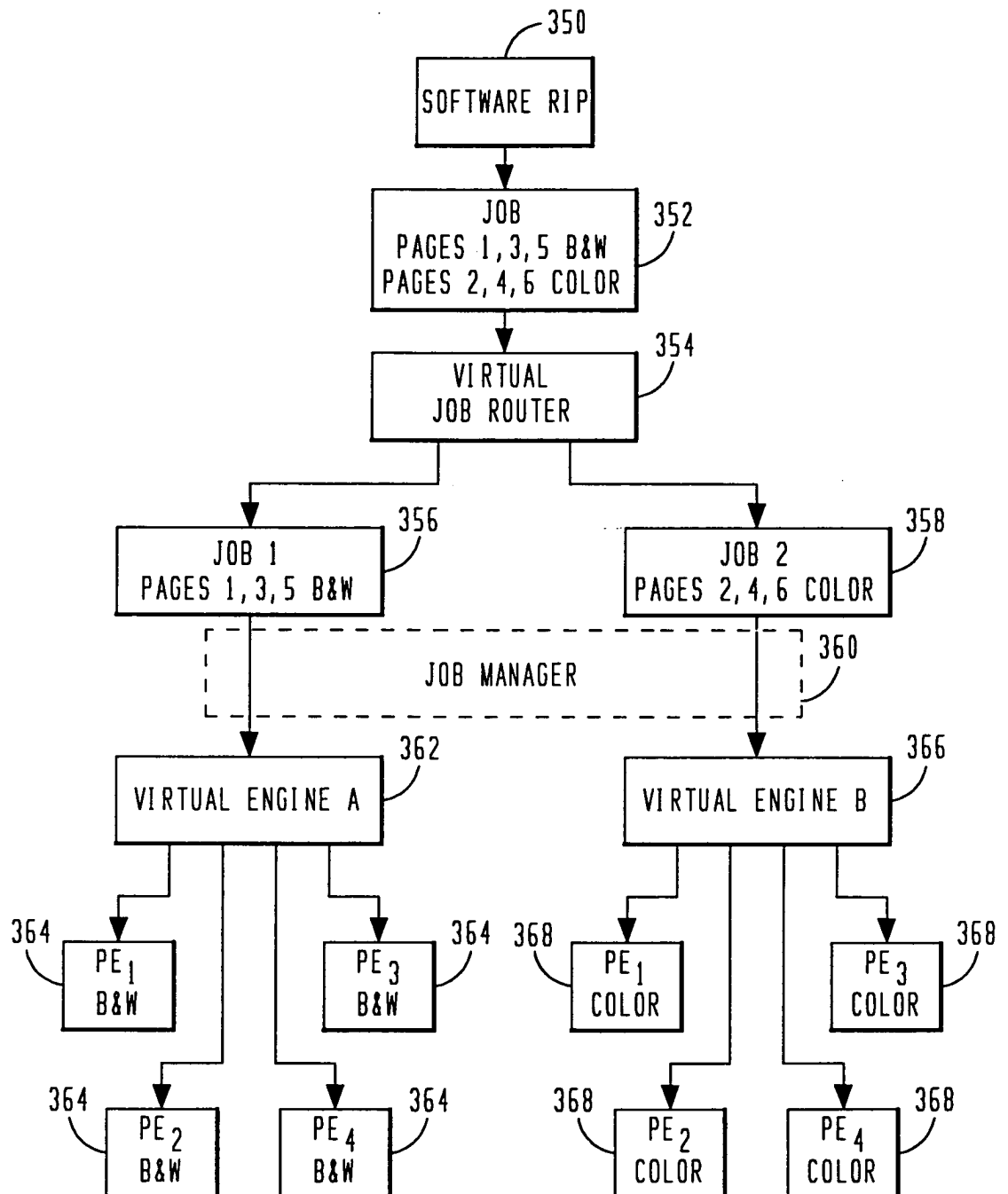


FIG. 12

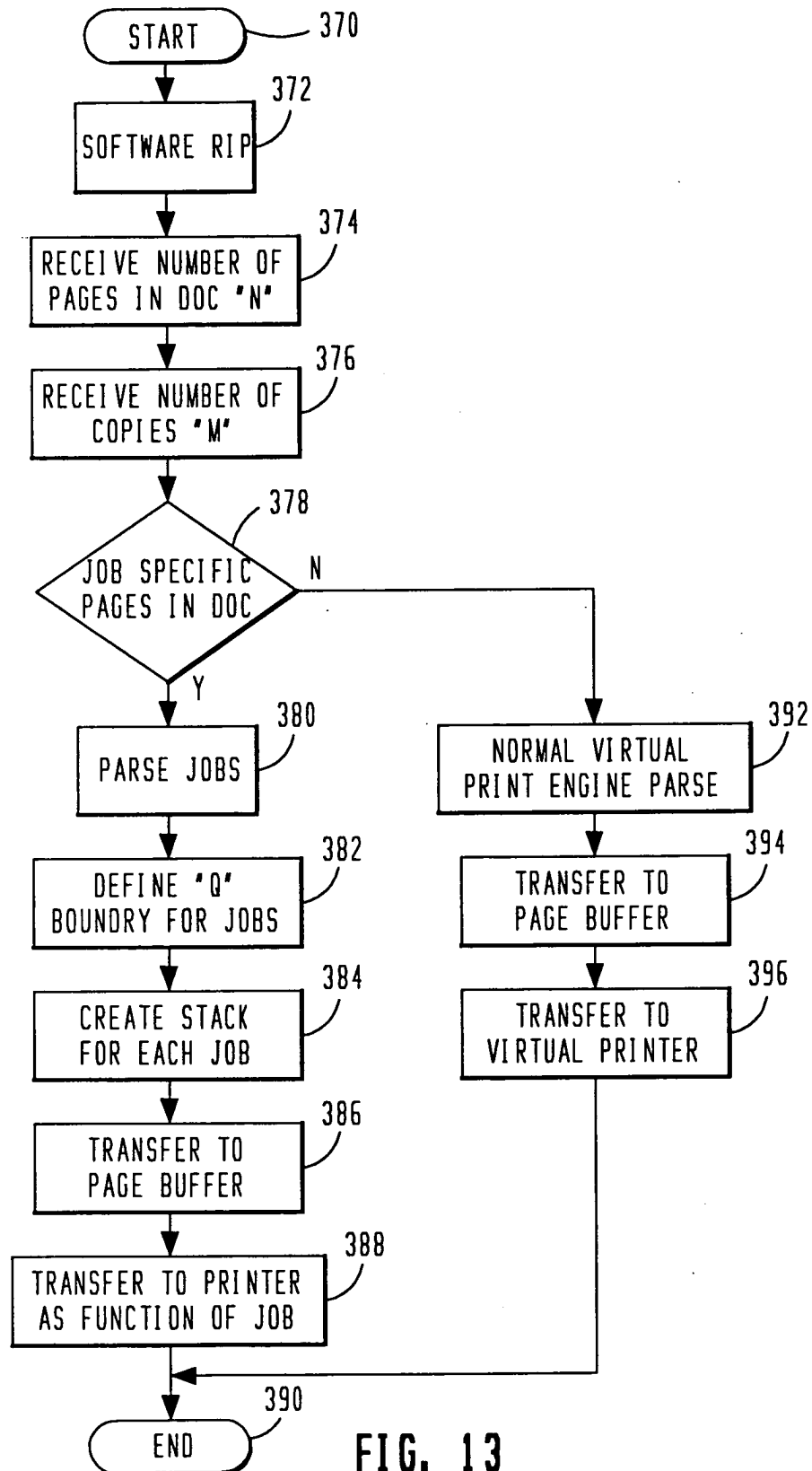
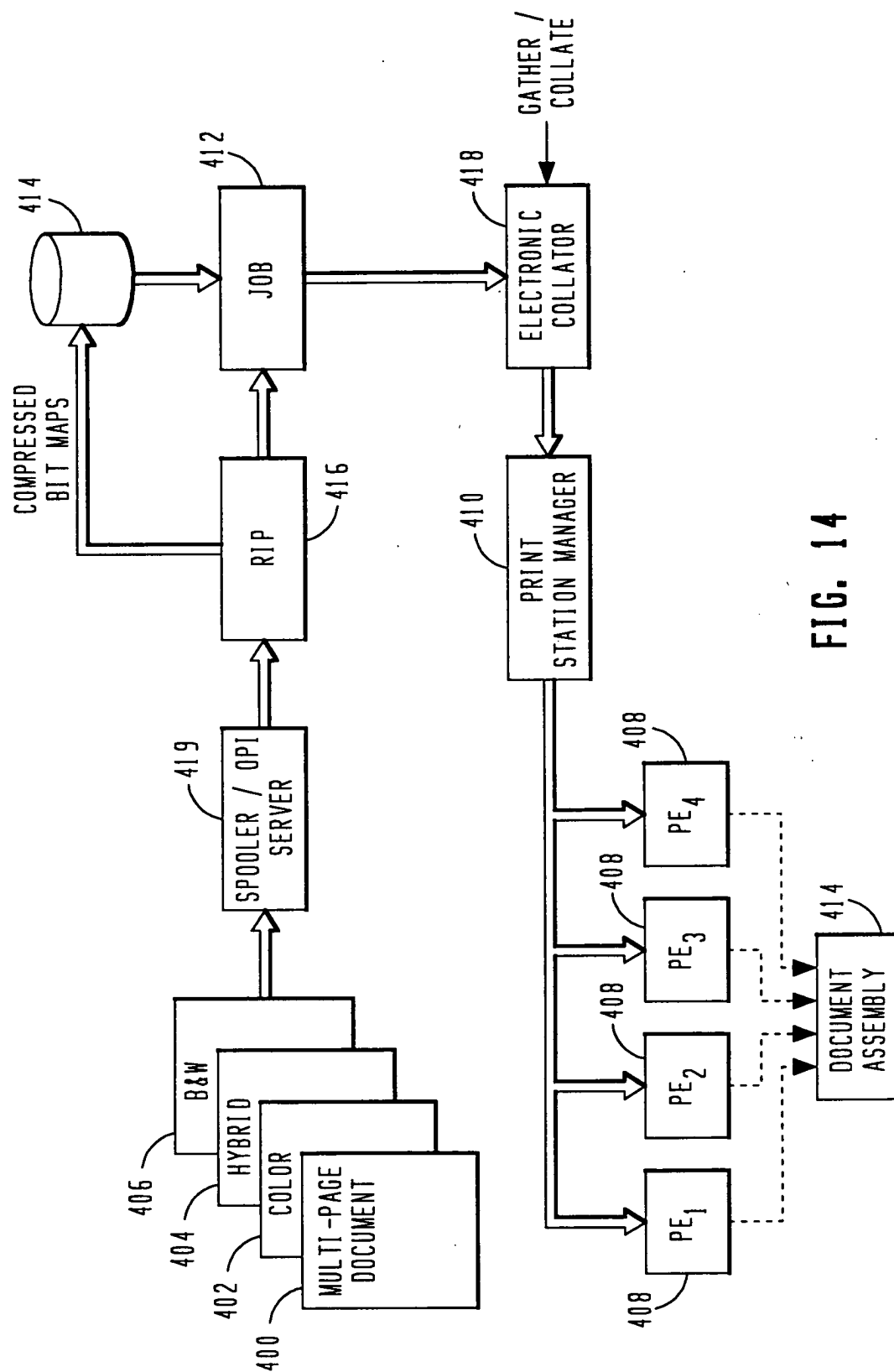


FIG. 13

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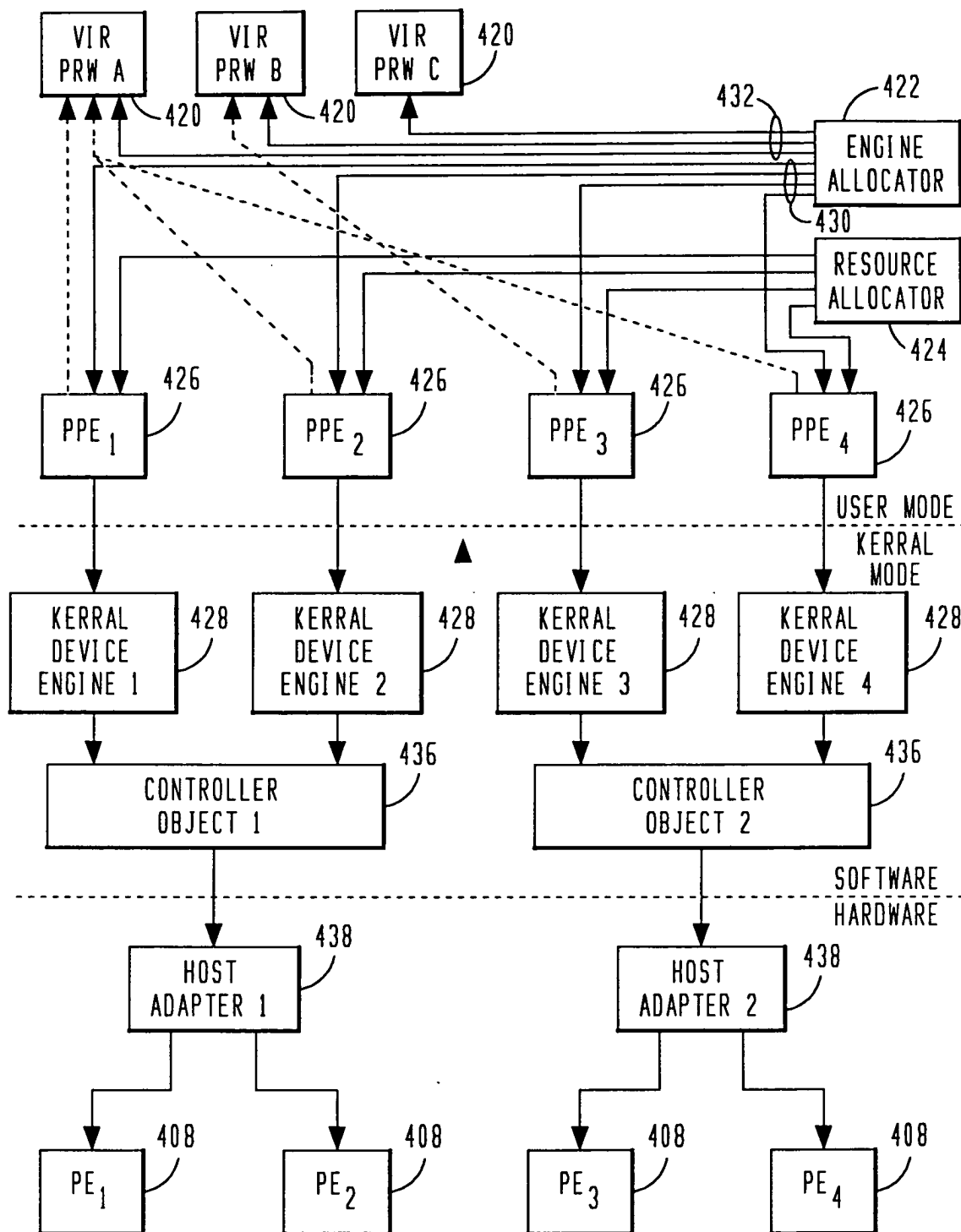


FIG. 15

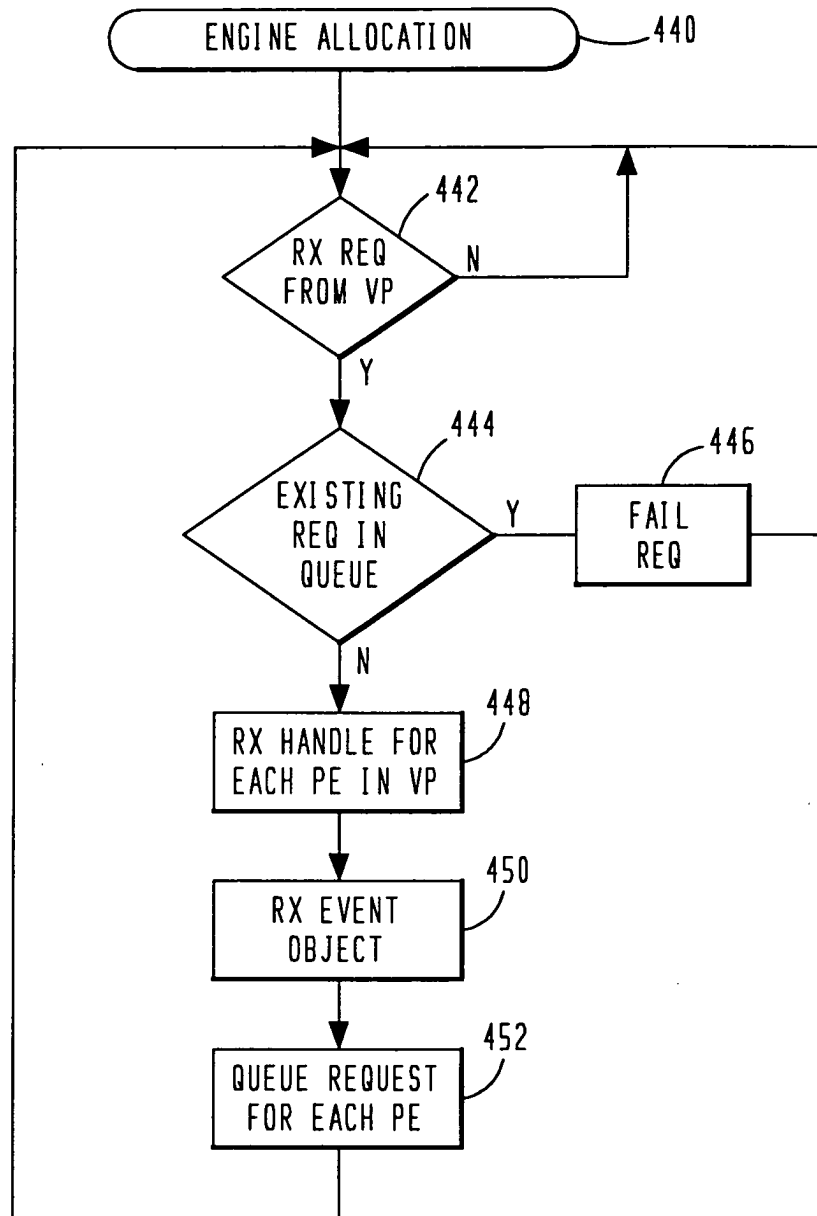
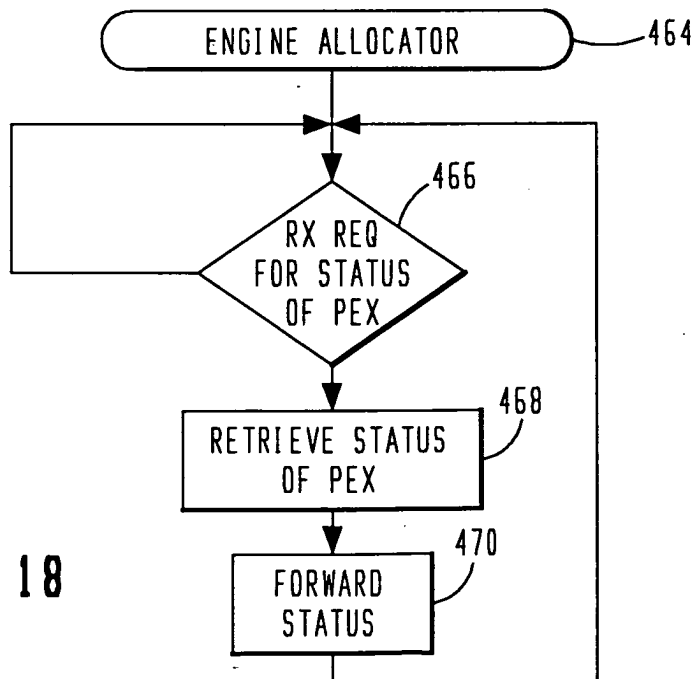
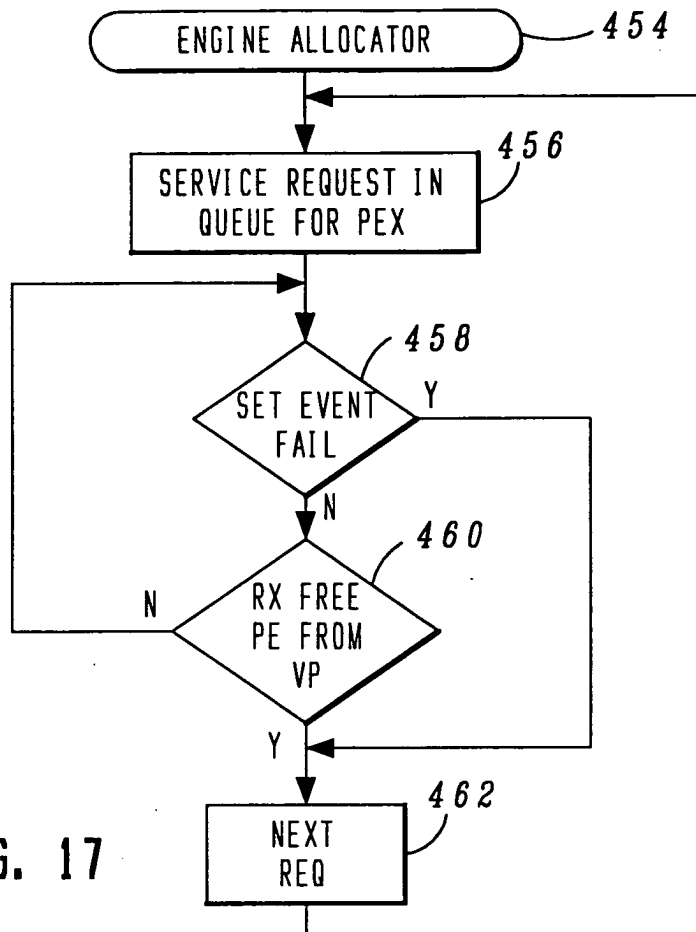


FIG. 16



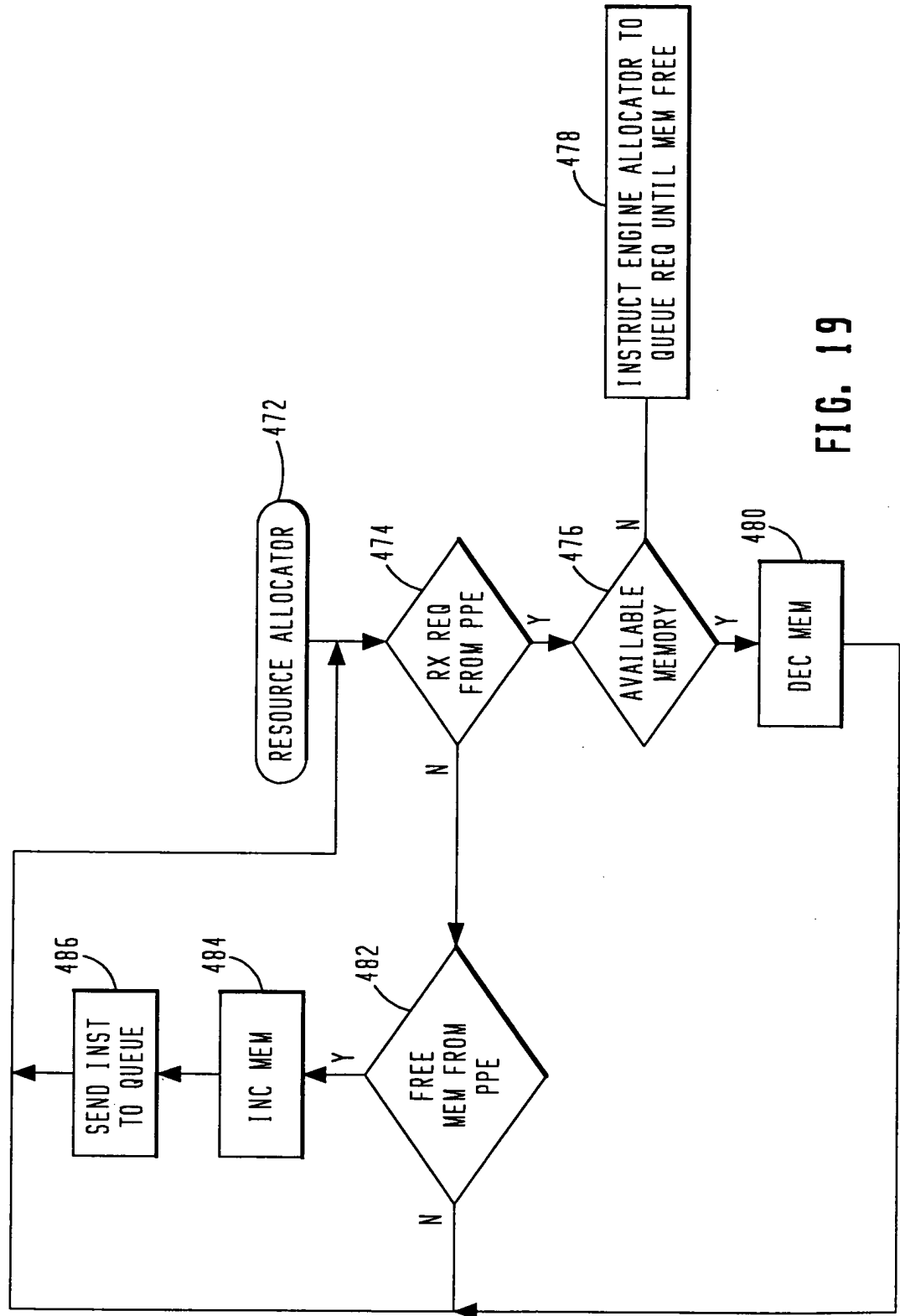
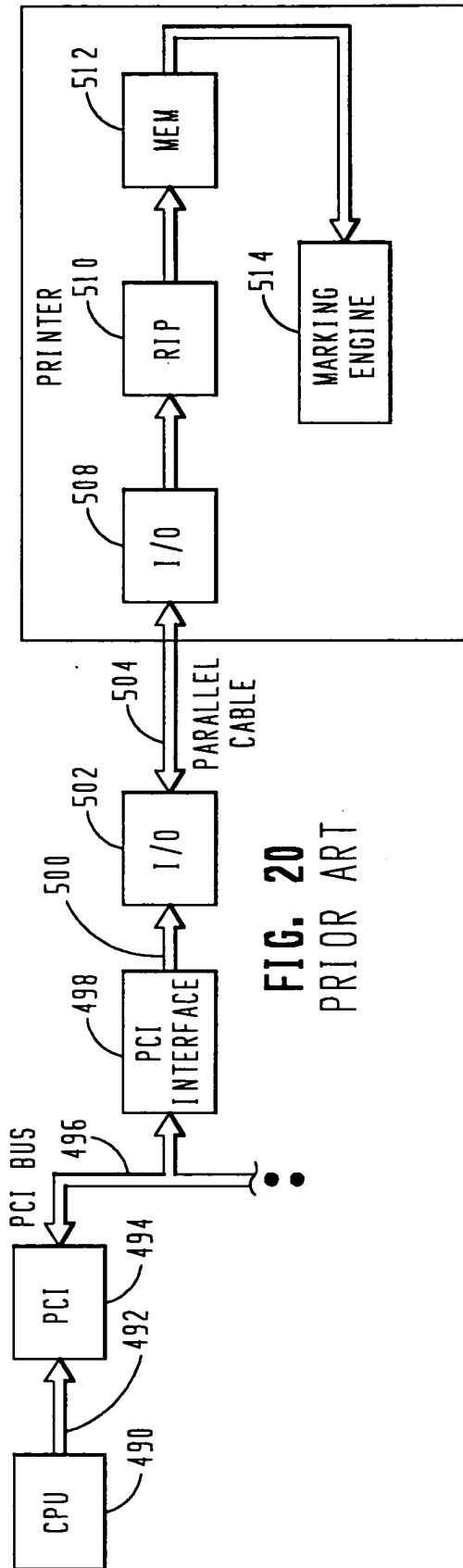
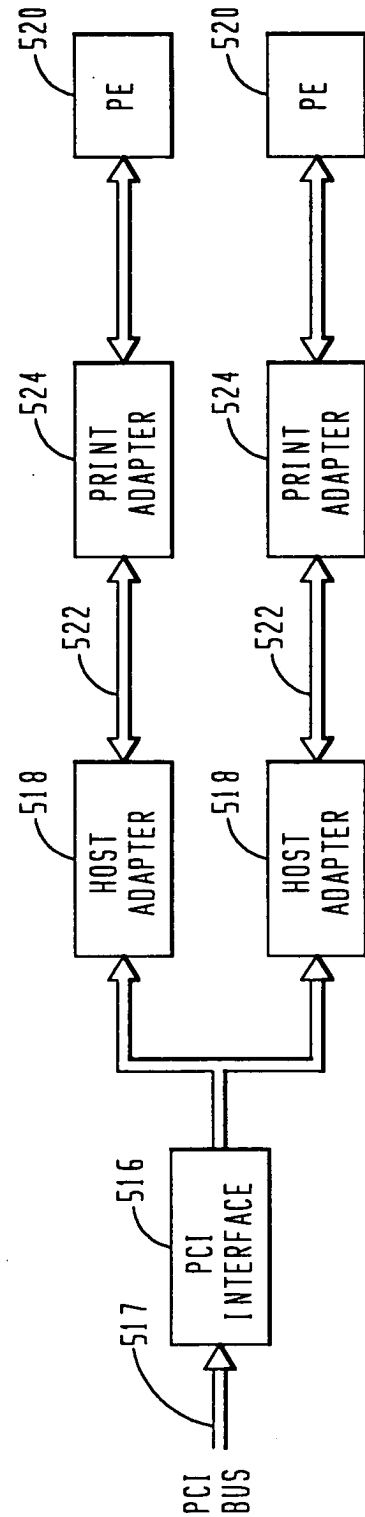


FIG. 19

FIG. 20



**FIG. 20**  
PRIOR ART



**FIG. 21**

2000-06-01

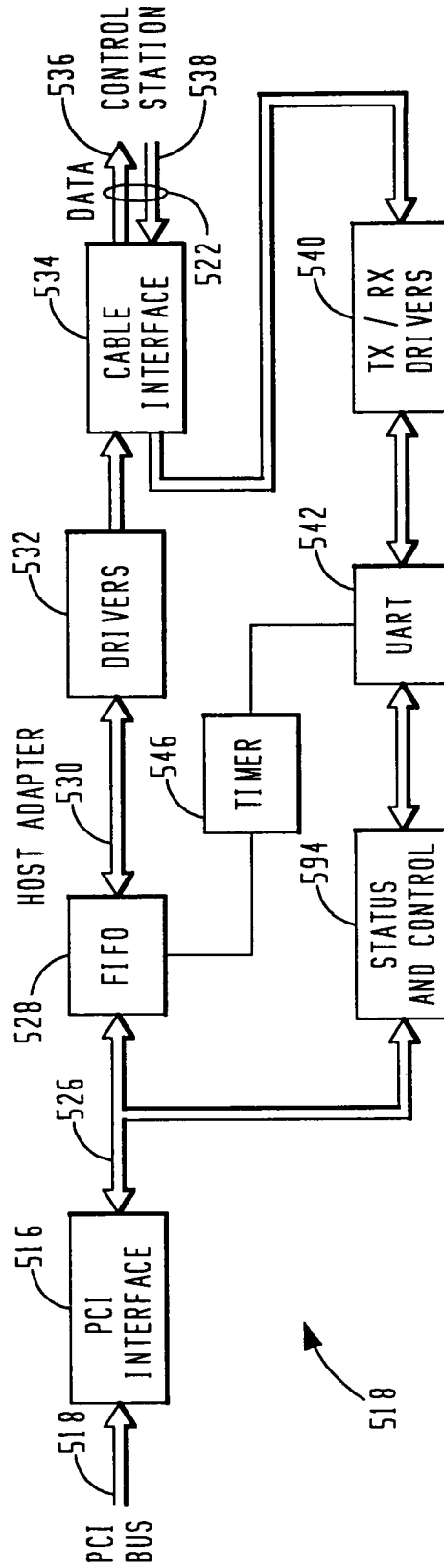


FIG. 22

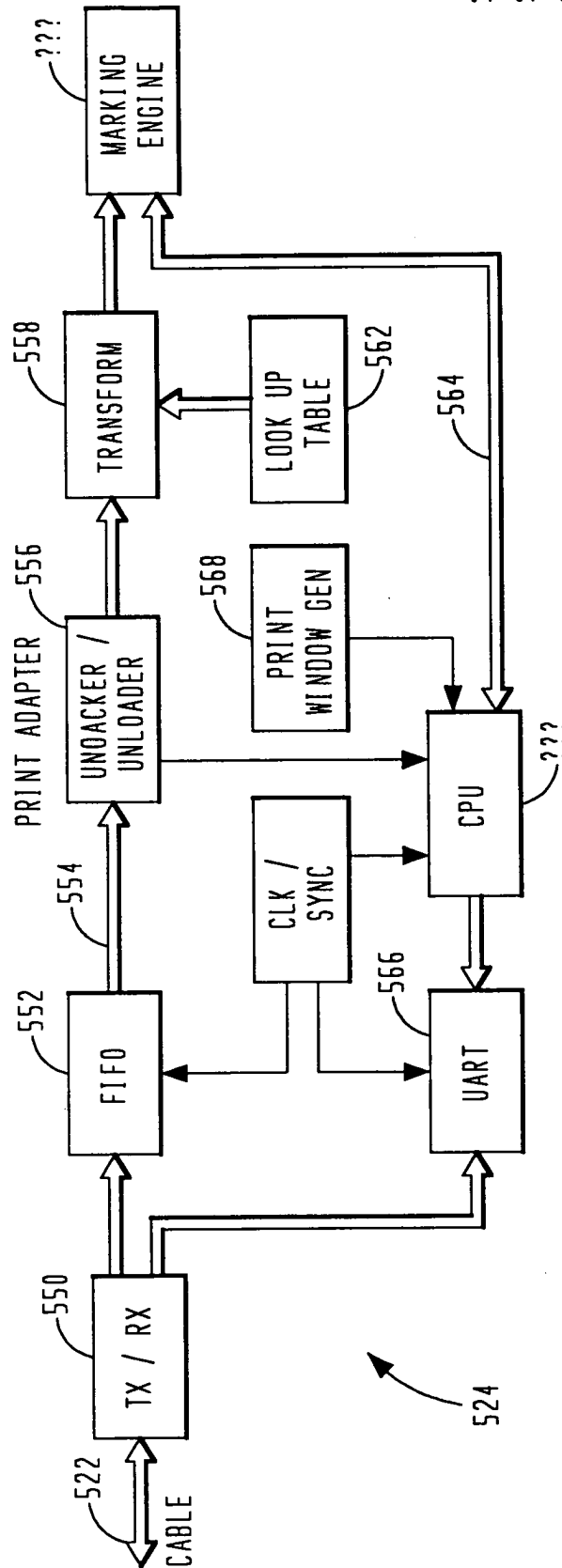


FIG. 23

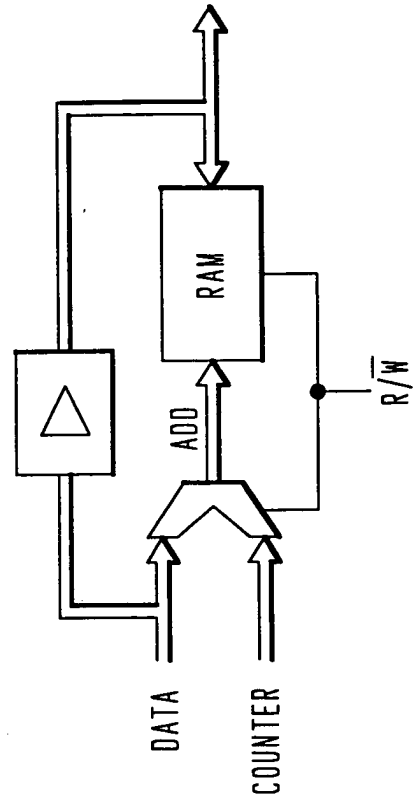
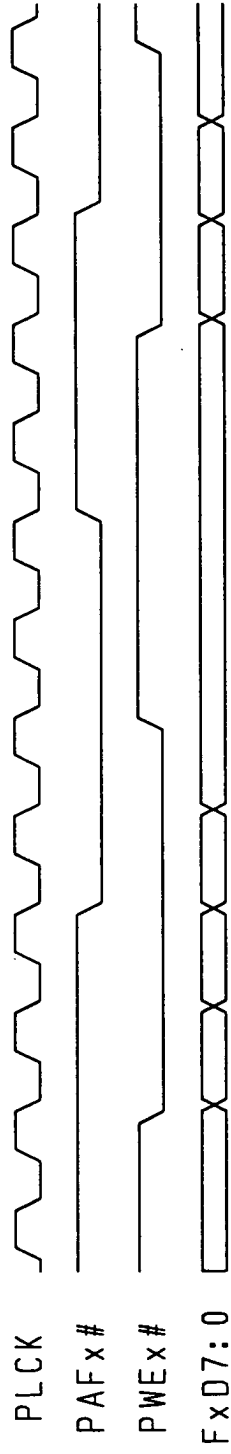
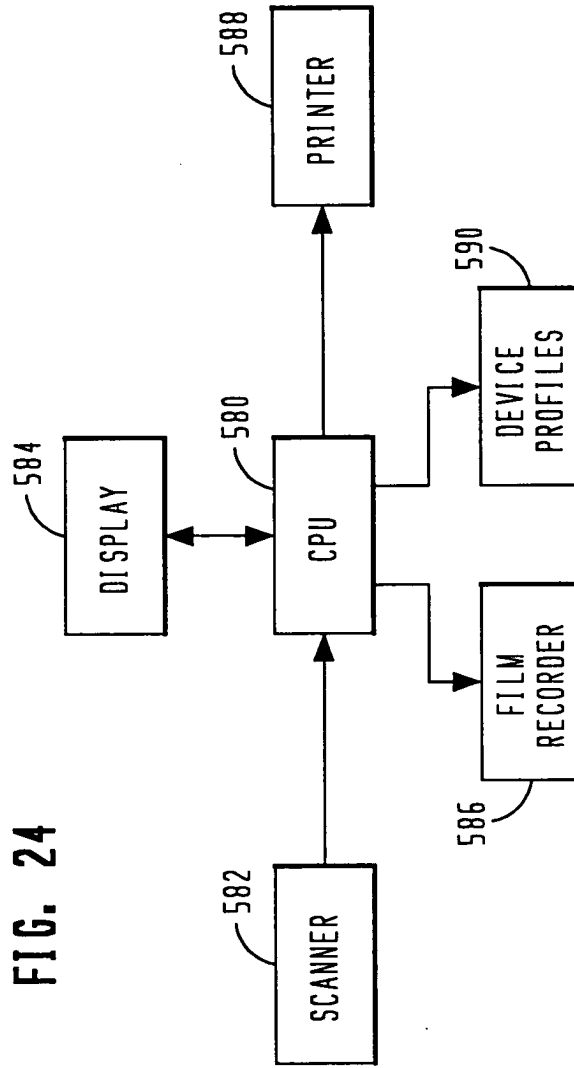


FIG. 23a

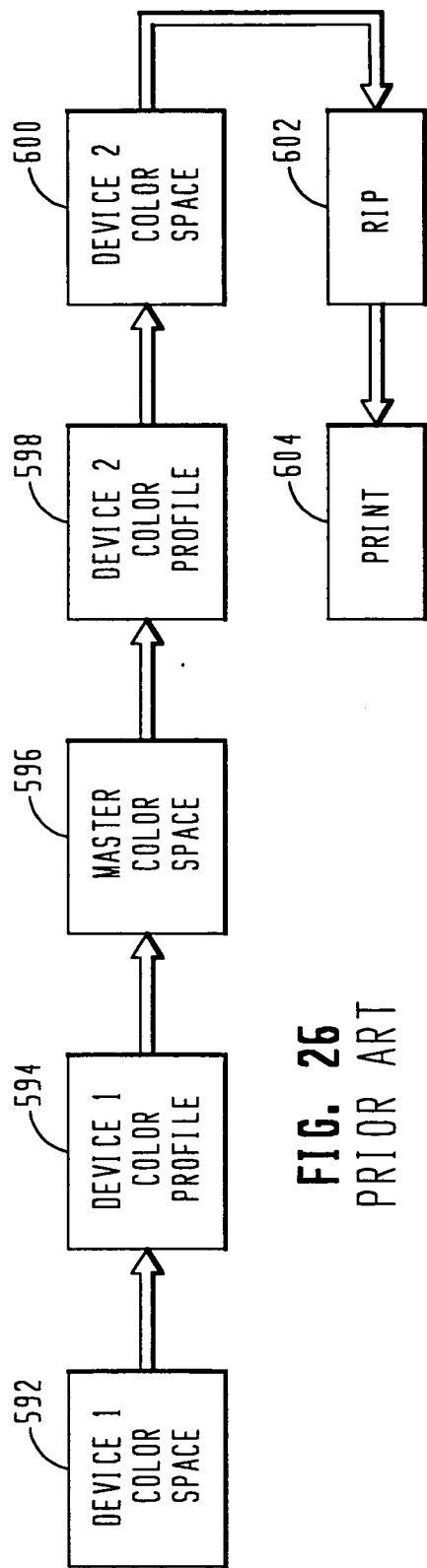
[illegible]

**FIG. 24**

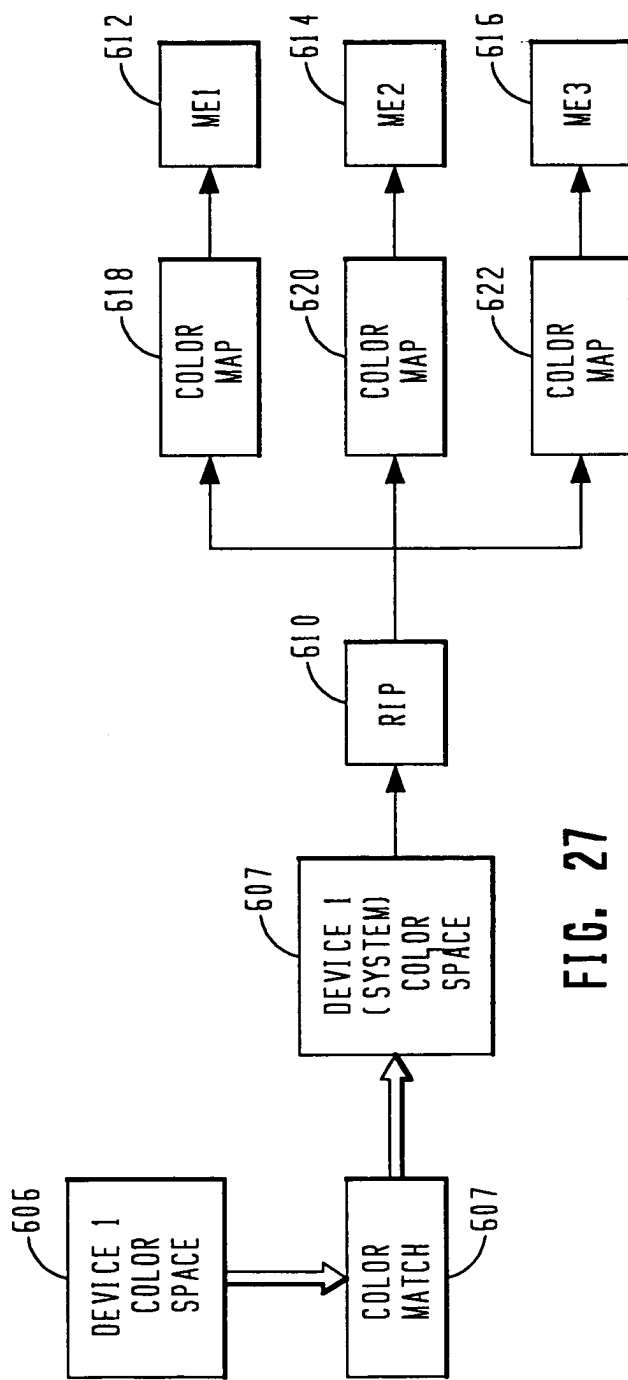


**FIG. 25**  
**PRIOR ART**

FIG. 26



**FIG. 26**  
PRIOR ART



**FIG. 27**

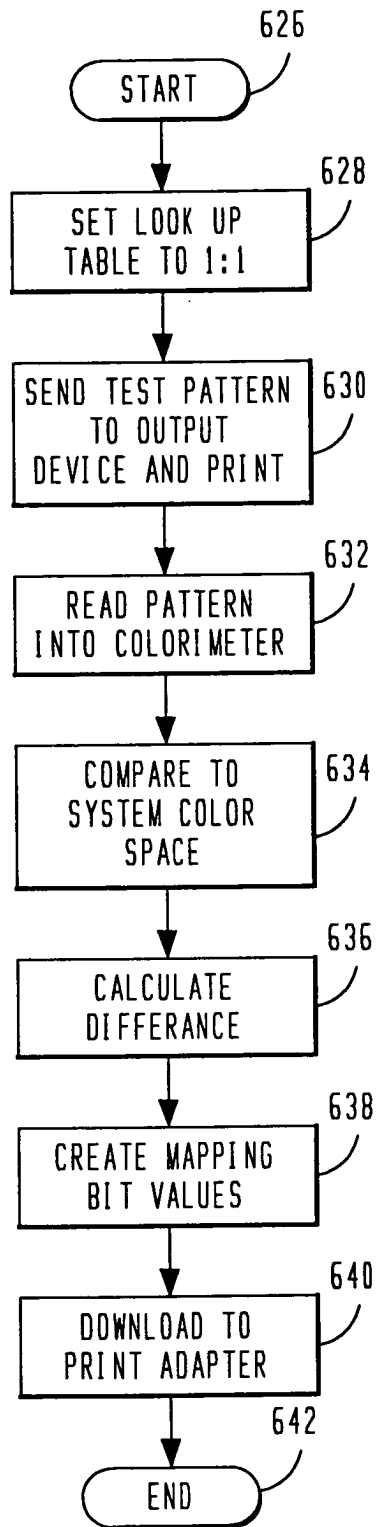


FIG. 28

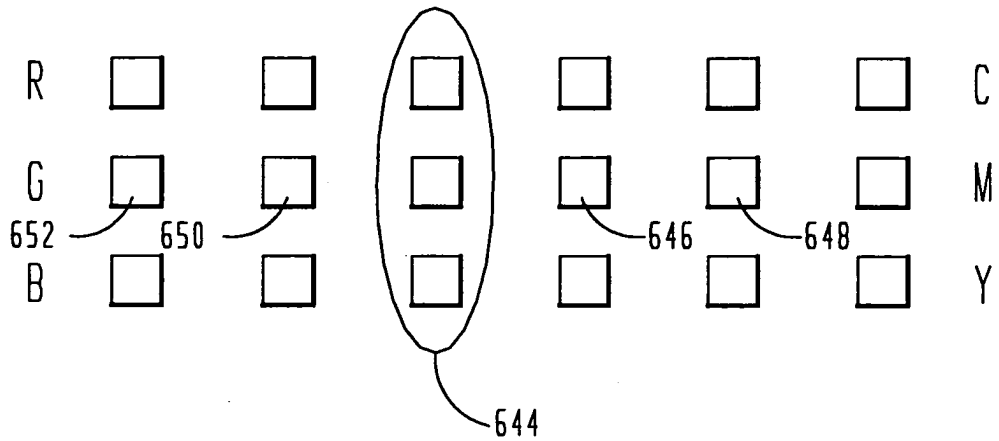


FIG. 29

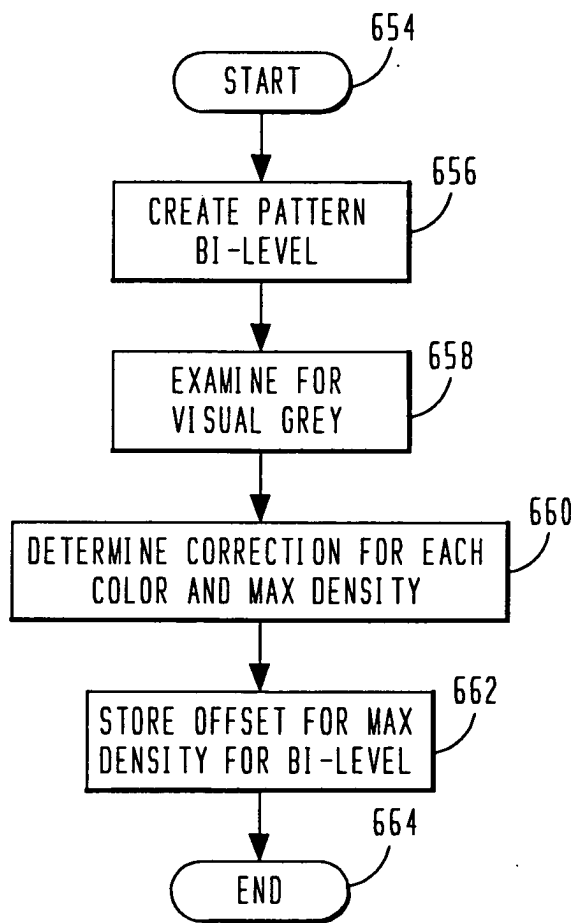


FIG. 30

2025 RELEASE UNDER E.O. 14176

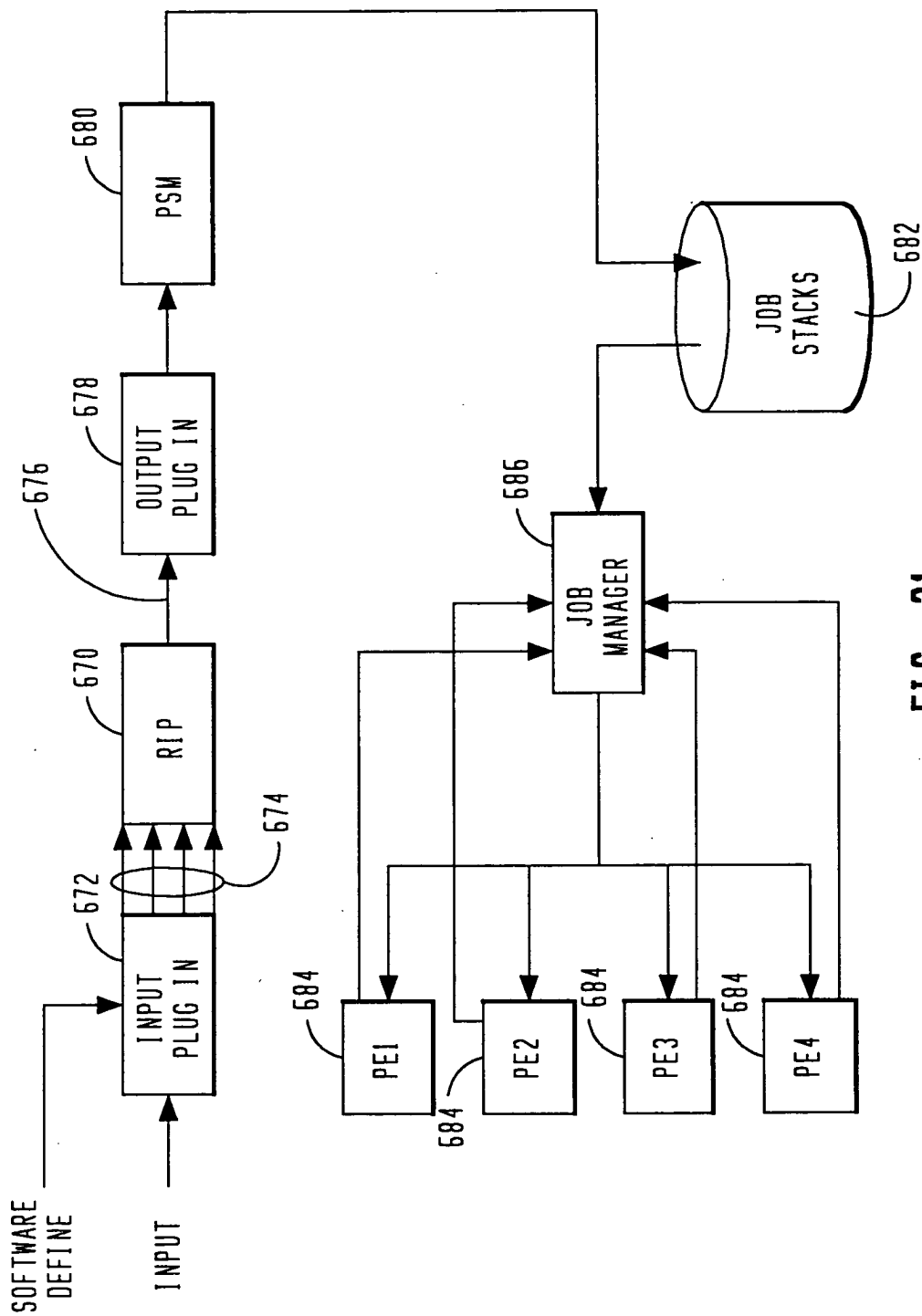


FIG. 31

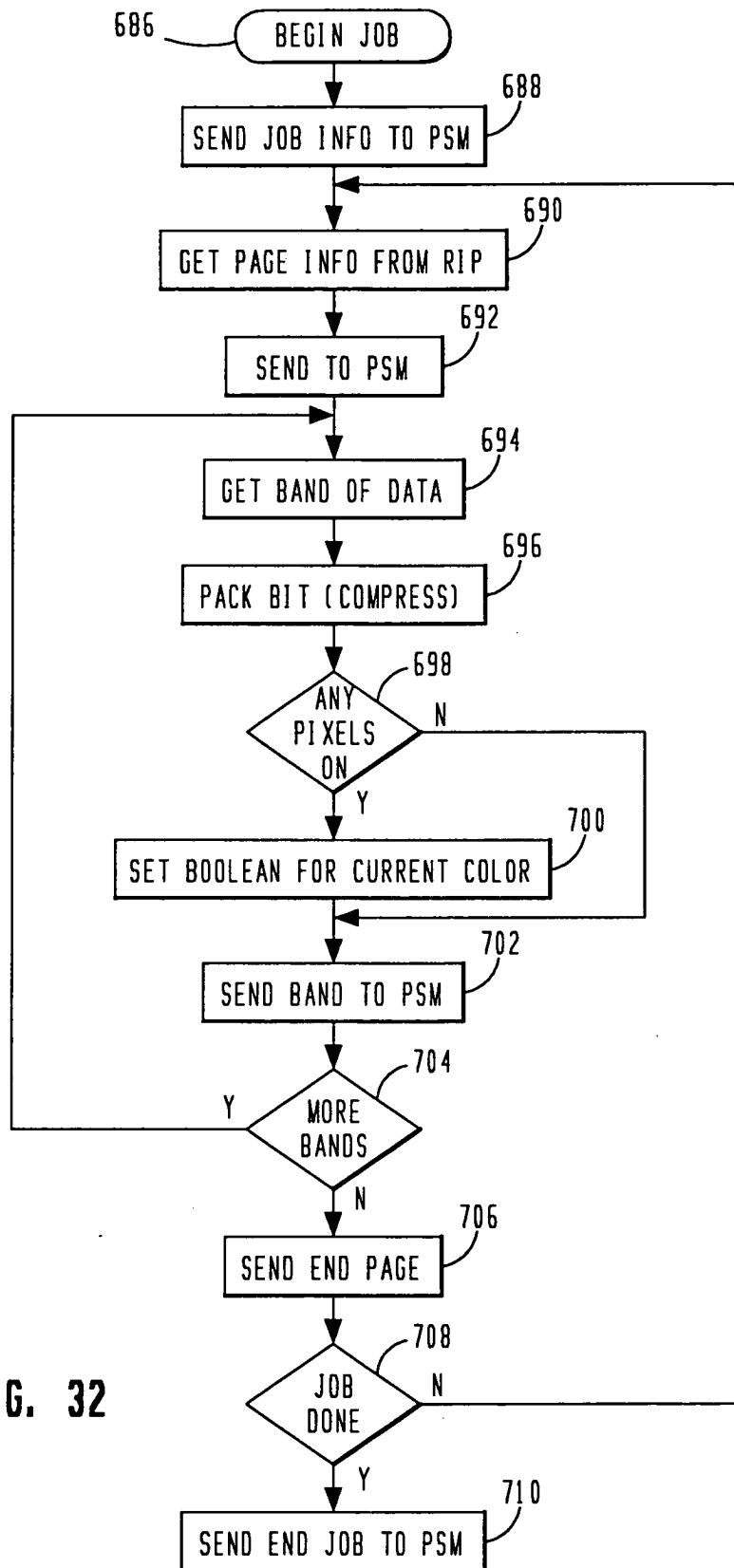


FIG. 32

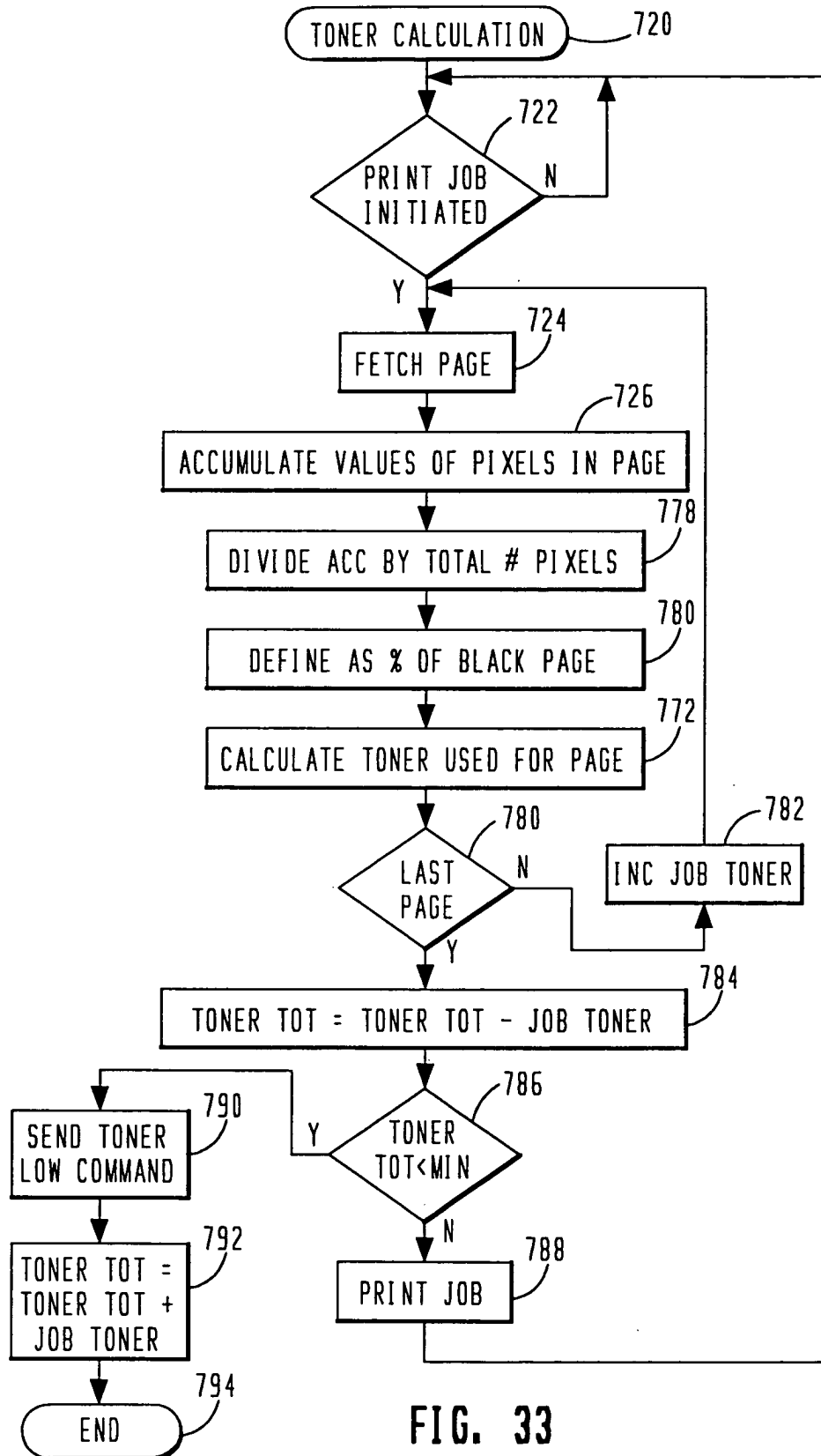


FIG. 33

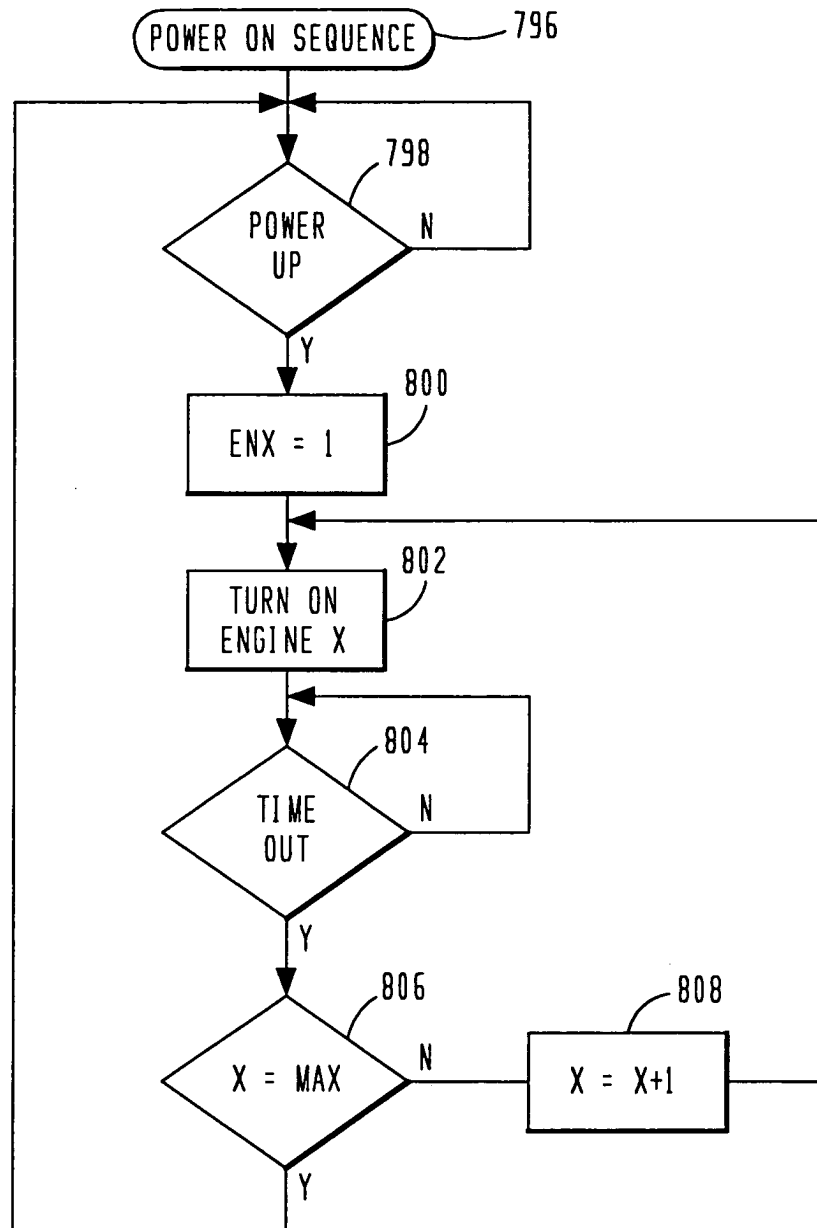


FIG. 34

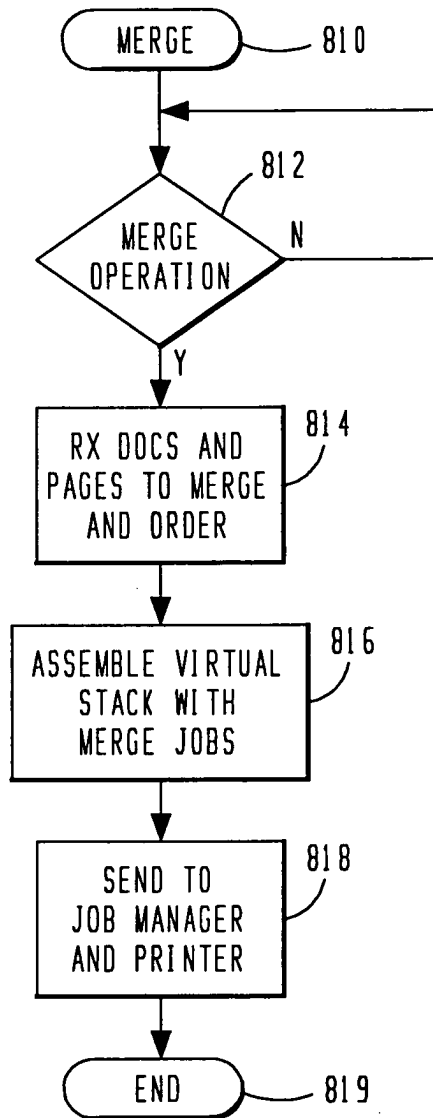


FIG. 35

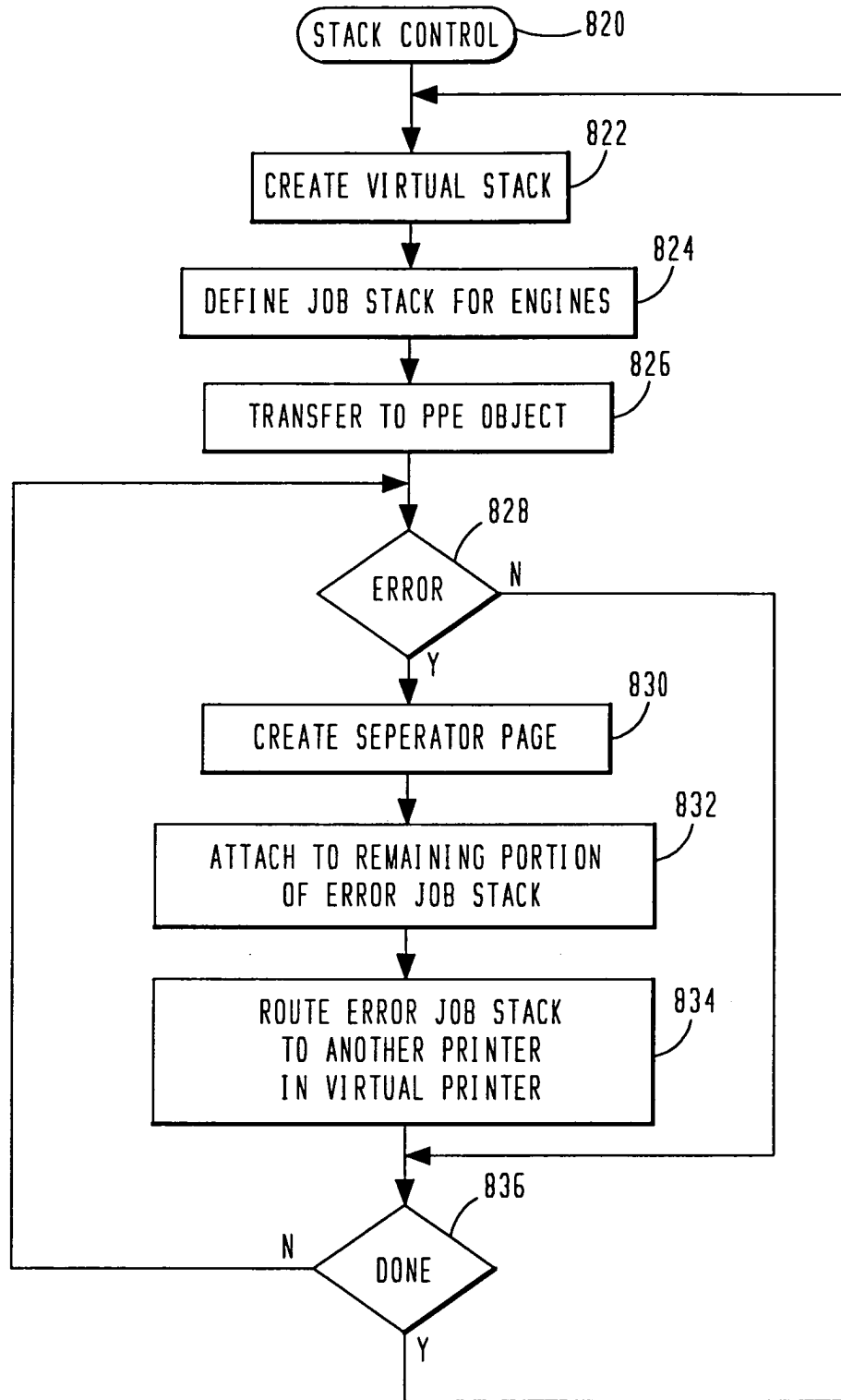


FIG. 36

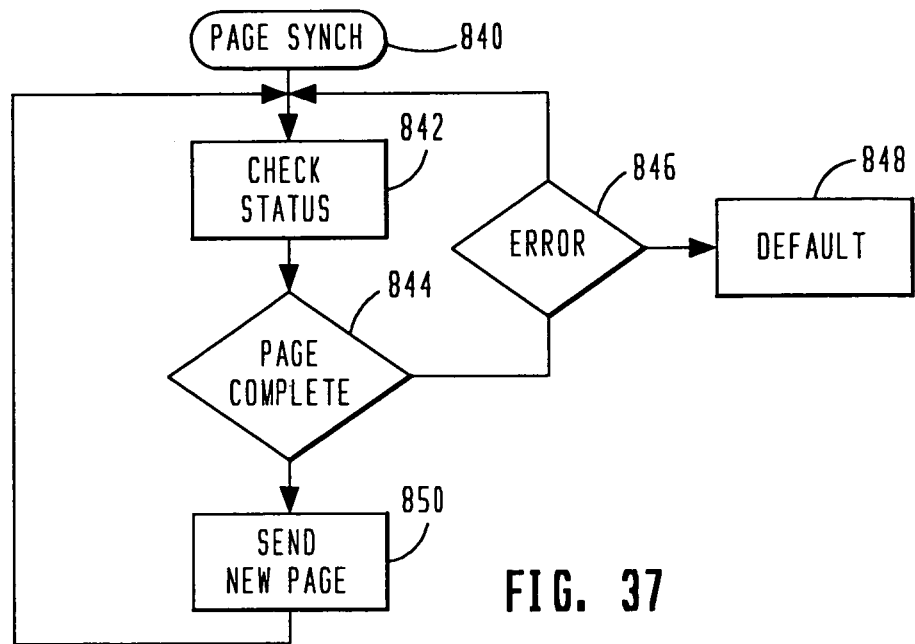


FIG. 37

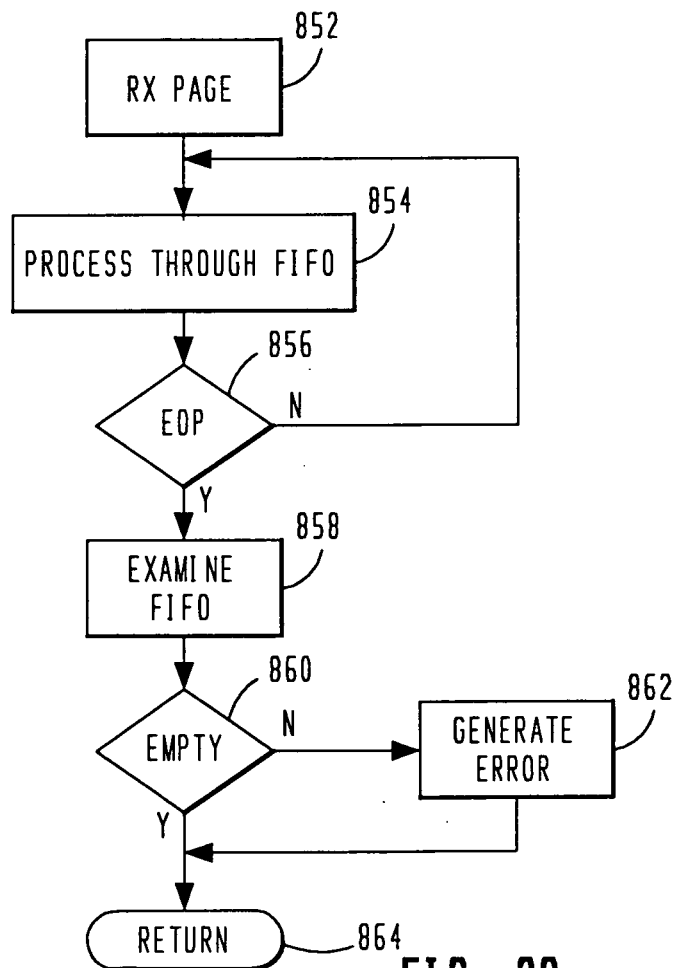
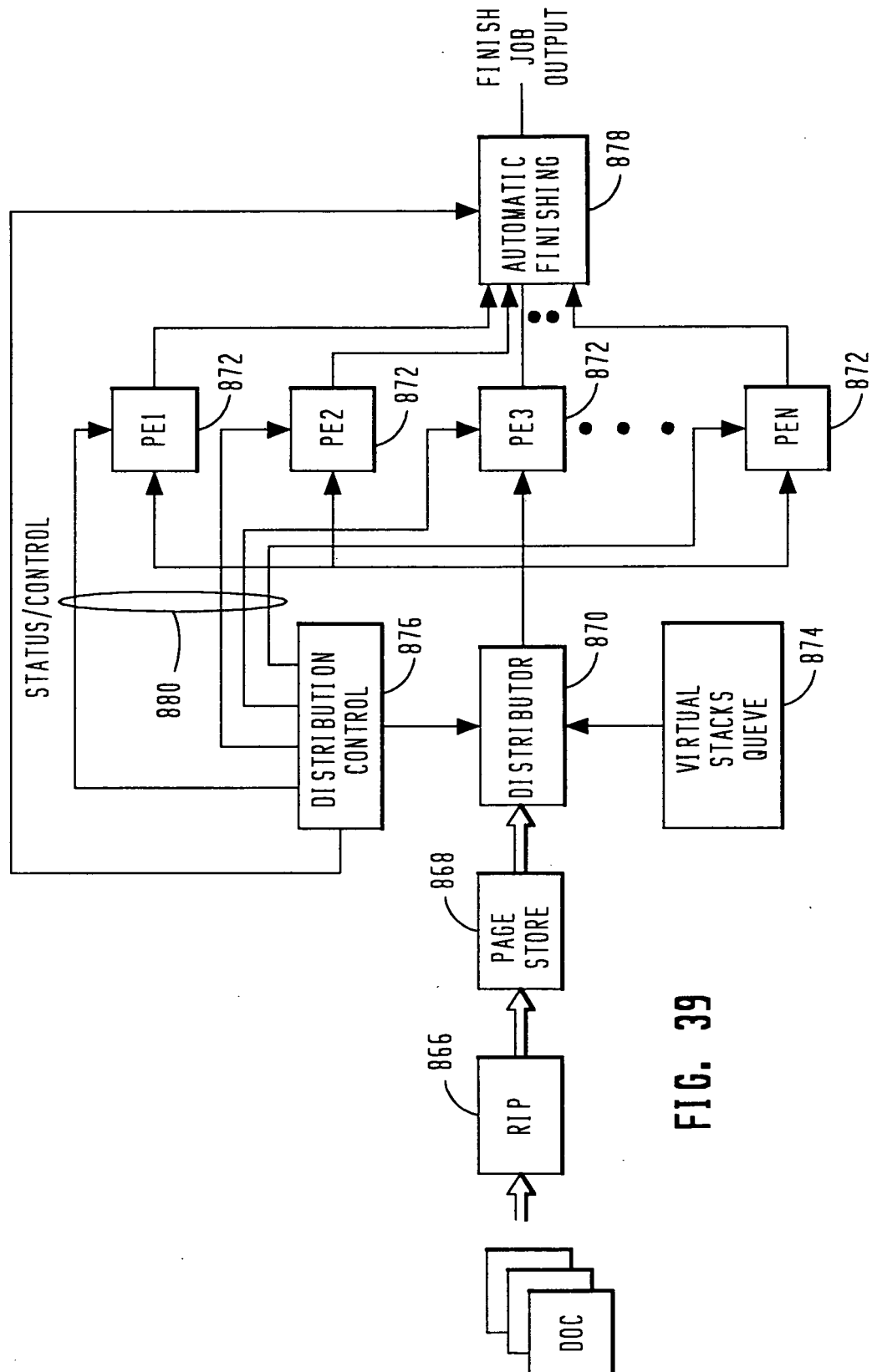


FIG. 38

[illegible]

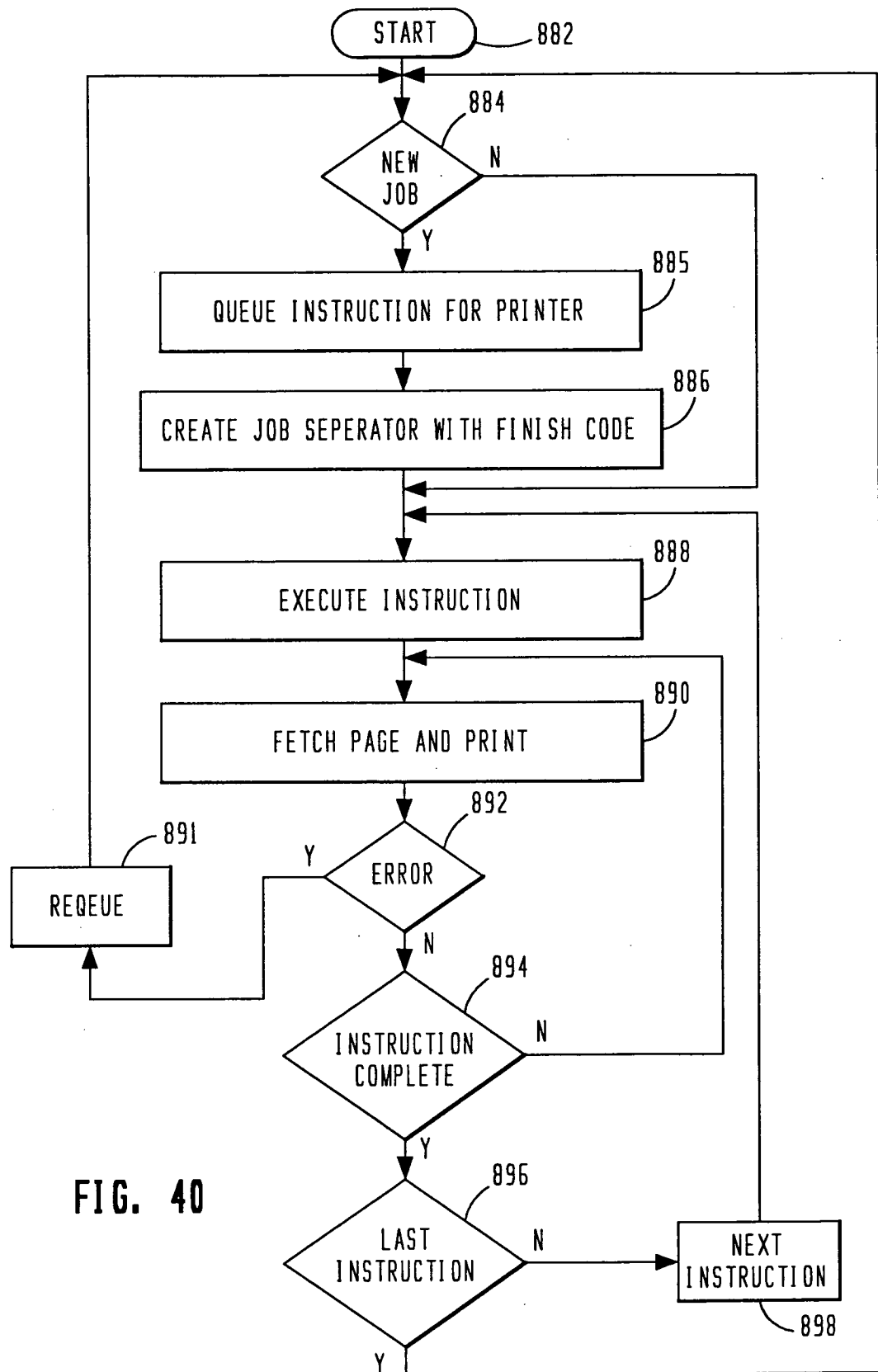


FIG. 40